Attachment C

County Street, Attleboro

Project ID B04D5071

BEG/NU Construction Authorization Order

Bay State Gas Company

Field Location: Brocklor 17
AG-2-17 Attachment C

Page 2 of 47 N/A Project ID# B04D5071 Work Code MRMIC ROR / MIS: Hurdle Rate: N/A D''SCRIPTION OF PROJECT: MAIN REPLACEMENT - DUE TO MUNICIPAL IMPROVEMENT This is a municipal improvement project. The road is scheduled to be repayed in 2004. We are replacing the old low pressure 6" bare steel, cast iron and wrought iron mains with 2" & 6" plastic mains and tying over services. At this time the pressure will be increased to 99-psig. Due to its age, multiple leaks and poor condition, it is recommended to be replaced. Total Service Cost \$ N/A Cust. Contribution # Services Budget Today's Date: 3/19/2004 COST RECORD Actual Variance \$10,125 Start Date: 5 17 0 Materials Comp Date: 6 15 04 \$5,185 Company Labor Estimator: DER \$59,278 **Purchases** Sales Rep: \$6,086 Overheads \$80,674 CIS#: Total \$80,674 Total cost estimated: Total services w/o overhead: N/A Total mains w/o overhead: \$74,588 Footage W.O. # Pipe Added Pipe W.O. # Street Name and Town Size Туре Estimate Actual Tie-in PP-Coil 150 124 Oakland Street AvE Attleboro 6066 5556049 320 Attleboro 2 PP-Coil Pembroke Avenue 5556074 56106 PP-Coil Attleboro 2 180 5556143 555620 Jewel Avenue Attleboro 6 PP 750 County Street 5556158 PP 425 Thacher Street Attleboro 6 556010 Footage W.O. # W.O. # Pipe Retired Pipe Street Name and Town Size Туре Estimate Actual Install Tie-in CI 150 129 and Street Attleboro 556049 302 CI 5554074 5554124 55561**58** Pembroke Avenue Attleboro 6 320 Wi 175 Attleboro 6 Jewel Avenue Attleboro 6 WI 750 County Street Thacher Street Attleboro 6 BS 425 5556210 >\$100k **∢**5K \$5k<\$10k \$10k<\$100k Date New Operations Engineer Senior Engineer Engineeding Tech Mgr. Eng: Business New Bus, Mgr. Dir. Finance: Date: New Business Team Leader New Business Rep. New Business Team Leader VP Tech. Ops: All Jobs >=\$250k \$10k<100k \$100k<\$250k Date <\$10k Replacement Mgr. Eng: & Other Operations Enginee Senior Engineer Dir. Finance: VP Tech Ops: Mgr. Engineer

President:

						-					
	Construction Autho	rization Order	SUPPLE	MENT				Field Localizary S	tate desockingany		
ر، Project ID	# B04D5071	Work Code	MRMI		ROR / MIS	i:	N/A	Hurdle Rate:	D.T.E. 05-27 2-17 Attachment C Page 3 of 47		
DESCRIP	TION OF PROJECT:	MAIN REPLACEMEN	T - DUE T	O MUNICIPAL IMP	ROVEMENT						
This suppl	emental blue sheet is	to detail the projects over	rrun. Furth	er explanation is at	tached.			Neu	(₀		
		, ,						1			
# 0 :	45	*Total Ca	mine Cook	Ø 517							
	es <u>15</u>			\$N//	1			Cust. Contribution	1 <u>N/A</u>		
C Materials	OST RECORD	Budget \$1,640	Actual	Variance	-		Today's Date: Start Date:		21		
Company i	abor	\$12,595					Comp Date:		144		
Purchases		\$123,317]		Estimator:		107		
Overheads	*	\$43,556			1		Sales Rep				
Total		\$181,108			<u></u>		CIS #:				
Total cos	t estimated:	\$181,108		Total s	services w/o	overt	ead:	N/A			
				Total	mains w/o o	verhe	ead:	\$137,552			
	Pipe Added		T T	Pipe		Foot	age	W.O.#	W.O.#		
	Street Name ar	nd Town	Size	Туре	Estimate		Actual	Install	Tie-in		
Oakland St		Attleboro		PP-Coi		150		PY01/222	555 601d		
Pembroke /		Attleboro		PP-Coi		320			555610b		
Jewel Aven County Stre		Attleboro Attleboro		PP-Coi		180 750		22219130	2520172		
Thacher Str		Attleboro				425		255 10 21 X	1772750		
								333641	12721917		
	Dies Datie	- d		Diag		F4					
	Pipe Retire Street Name an		Size	Pipe Type	Estimate	Foot	age Actual	W.O. #	W.O. #		
Oakland Str		Attleboro	6	· · · · · · · · · · · · · · · · · · ·		150		Install	Tie-in		
broke A	Avenue	Attleboro	- 6			320					
Aven	ue	Attleboro	6			175			_		
County Stre	et	Attleboro Attleboro	6			750 425					
Thacher Str	eet	Attleboto				425					
	_				T			A			
New	< 5 5K	\$5k<\$10k		\$10k<\$100k			>\$100k		Date		
Business	Engineering Tech	Operations Engineer	Ser	nior Engineer	Mgr. Eng:						
Name					New Bus. Mgr.						
Date:					Dir. Finance:						
	New Business Rep.	New Business Team Leader	New Busin	ess Team Leader	VP Tech, Ops:						
Name:											
Date:											
Replacement	<\$10k	\$10k<100k		\$100k<\$25	50k		Al J	obs >=\$250k	Dale		
& Other	Operations Engineer	Senior Engineer		Senior Engin	eer		Mgr. Eng:				
Name:	William H. Nyy	_		none			Dir. Finance:				
Date:	1/25/05						VP Téch Ops:				

Date

EXPLANATION OF PROJECT OVERRUN B04D0571 County St. Attleboro

The town of Attleboro mandated that all the fill that was removed had to be haved away and clean fill be brought in. The trench then had to be backfilled even with the pavement and left to be packed down by traffic and water. Once the trench was packed, it once again had to be dug out to a depth of 6-inches. The trench was then capped with 6-inches of concrete.

The process that was mandated to be taken for this project caused the expected time for completion of the project to increase significantly. This increase in time that was needed in order to complete the project in turn increased the cost of police detail, \$27,157.85, as well as the contractor cost, \$91,916.03.

Between the excess disposal fees, the purchase of fill materials, and the time and materials that went in to the 6-inch concrete cap the project ran significantly over budget.

B04D5071	Estimated	Actual	Variance
County St. Attleboro			
Payroll	\$5,185.00	\$17,779.90	\$12,594.90
Contractor	\$52,188.46	\$144,104.49	\$91,916.03
Police Detail	\$6,840.00	\$33,997.85	\$27,157.85
Materials	\$10,125.00	\$11,764.95	\$1,639.95
6"Pipe Footage	1175	1178	3.00
Unit Cost	\$44.20	\$180.13	\$135.93
Total	\$74,588.00	\$212,140.17	\$137,552.17

•	D 011 0			AG-2-17 Atta
	Bay State Gas		Attleboro	Pa
-	Oakland Street	, Length:		feet
۲	rom: County St.	Size		*PP
	To: E.O.M.	Project ID #:		* 1
SESTEDIAL		Estimated:		by: DER
MATERIA	·	Estillateu.	3/13/2004	by. DEN
Quantity	Description	Price	<u>.</u>	Cost
Quantity	150 feet of Plastic Pipe @		per foot	\$67.50
	1 Tie-in Material@	\$300.00	•	\$300.00
	2 Service Stock	\$150.00		\$300.00
	2 00,7,00 0,00	\$0.00	each	\$0.00
		\$0.00	each	\$0.00
	Miscellaneous Fittings add	0.00%	1	\$0.00
			Sub Total	\$667.50
	Overhead	23.60%	1	\$157.53
			Total	\$825.03
COMPANY	LABOR			
Hours				
, 10013	14 Inspector hrs.	\$28.64	per hour	\$400.96
	4 Sm. Tie-in Crew hrs.		per hour	\$222.16
	0 Lg. Tie-in Crew hrs.		per hour	\$0.00
	0 Welder	\$28.64	per hour	\$0.00
	0.5 Administrative work	\$25.00	per hour	\$12.50
			Sub Total	• • • • • • •
	Overhead	71.30%		\$453.20
			Total	\$1,088.82
	TOR CHARGES LABOR 150 feet of paved		per unit	\$1,351.50
	0 feet of unpaved		per foot	\$0.00
	0 ft of open trench, no bkfll		per foot	\$0.00
	0 ft of open trench, bkfll to tape		per foot per foot	\$0.00 \$0.00
	0 ft of open trench, bkfil	\$5.03 \$500.00	•	\$2,500.00
	5 service tie-over	\$500.00 \$62.06		\$2,500.00 \$248.24
	4 hrs. for backhoe 14 hrs. for traffic control	\$38.00		\$532.00
	0 hrs of hole hog	\$272.36	•	\$0.00
	0 In. ft of sawcut		per foot	\$0.00
	3 boulder removal		per cu. yd.	\$157.14
	0 ledge removal		per cu. yd.	\$0.00
	RESTORATION			\$0.00
12	2.5 sq. yds. of permanent patch	\$35.56	per cu. yd.	\$444.5 0
	7.5 sq. yds. of temporary patch		per cu. yd.	\$1,333.50
	0 sq. yds. of loam & seed		per cu. yd.	\$0.00
	0 Ln. ft of infared		per foot	\$0.00
10	0.0 cu. yds. of sand		per cu. yd.	\$134.60
	3 cu. yds. of gravel		per cu. yd.	\$41.34
	permit	\$50.00	per project	\$50.00
	contingency	0.00%		\$0.00
	additional			
	•		Total	\$6,792.82

Overhead Total

Sub Total Grand Total \$610.73 \$8,095.94

\$8,706.67

\$11,799.02

Grand Total

Bay State Gas		Pi
Pembroke Avenue	Attleboro	
From: County St.	Length: 320 fe	et
To: E.O.M.	Size: 2 " F	PP
	Project ID #: B04D5071	
MATERIAL	Estimated: 3/19/2004	by: DER
O Charles Barries	Price Co	osi
Quantity Description ,	\$0.45 per foot	\$144.00
320 feet of Plastic Pipe @ 1 Tie-in Material@	\$300.00 each	\$300.00
5 Service Stock	\$150.00 each	\$750.00
9 Selaice Stock	\$0.00 each	\$0.00
	\$0.00 each	\$0.00
Miscellaneous Fittings add	0.00%	\$0.00
	Sub Total	\$1,194.00
Overhead	23.60%	\$281.78
	Total	\$1,475.78
COMPANY LABOR		
Hours		
33 Inspector hrs.	\$28.64 per hour	\$945.12
4 Sm. Tie-in Crew hrs.	\$55.54 per hour	\$222.16
0 Lg. Tie-in Crew hrs.	\$80.85 per hour	\$0.00 \$0.00
0 Welder	\$28.64 per hour \$25.00 per hour	\$0.00 \$12.50
0.5 Administrative work	\$25.00 per hour Sub Total	\$1,179.78
Overhead	71.30%	\$841.18
Overhead	Total	\$2,020.96
CONTRACTOR CHARGES		
LABOR	ATI DO	CO DAC AO
320 feet of paved	\$7.02 per unit	\$2,246.40 \$0.00
0 feet of unpaved	\$5.13 per foot \$5.21 per foot	\$0.00 \$0.00
0 ft of open trench, no bkfil	\$3.25 per foot	\$0.00
0 ft of open trench, bkfll to tape	\$3.25 per foot	\$0.00
0 ft of open trench, bkfll 0 service tie-over	\$500.00 each	\$0.00
4 hrs. for backhoe	\$62.06 per hr.	\$248.24
33 hrs. for traffic control	\$38.00 per hr.	\$1,254.00
0 hrs of hole hog	\$272.36 per unit	\$0.00
0 In. ft of sawcut	\$1.60 per foot	\$0.00
6.4 boulder removal	\$52.38 per cu. yd.	\$335.23
0 ledge removal	\$235.70 per cu. yd.	\$0.00
RESTORATION	605 FO	\$0.48.27
\$26.67 sq. yds. of permanent patch	\$35.56 per cu. yd.	\$948.27 \$2,844.80
80 sq. yds. of temporary patch	\$35.56 per cu. yd.	\$0.00
0 sq. yds. of loam & seed	\$6.55 per cu. yd. \$12.50 per foot	\$0.00
0 Ln. ft of infared	\$12.50 per loot \$13.46 per cu. yd.	\$0.00 \$287.15
21.3 cu. yds. of sand	\$13.78 per cu. yd.	\$88.19
6.4 cu. yds. of gravel		
permit	\$50.00 per project	\$50.00
contingency	0.00%	\$0.00
additional	Total	\$8,302.28
	Overhead Total	\$1,122.97
	· Sub Total	\$10,676.06
	Grand Total	\$11.799.02

Jewel Avenue Length: 180 feet From: County St. Size: 2 " PP Project ID #: B04D5071 Estimated: 3/19/2004 by: DE DE DE DE DE DE DE DE
Jowel Avenue From: County St. Sept. 180 feet From: County St. Sept. 180 feet 2 PP Size: 2 Size:
Jewel Avenue From: County St. To: Hae # 10 Project ID #: Bio Ident 2 - Project ID #: Bio Ident 2 - Project ID #: Bio Ident 3 - Project ID #: Bio Ident
Jewel Avenue From: County St. To: Hae # 10 Project 10 # 1904 Description To: Hae # 10 Project 10 # 1904 Description Project 10 # 1904 Descriptio
Jewel Avenue From: County St. To: Hae # 10 Project 10 # 190 Feb Size: 2 " P Project 10 # 190
Jewel Avenue From: County St. To: Hae #10 Feb. Size: 2 * PP
Jewel Avenue From: County St. To: Hae #10 Feb. Size: 2 * PP Project ID #: B04D5071 Estimated: 3/19/2004 by: DE DE DE DE DE DE DE DE
Jewel Avenue From: County St. To: Hse # 10 From: County St. To: Hse # 10 Project ID #: B04D5071 MATERIAL Price Cost 3/19/2004 by: DE DE DE DE DE DE DE DE
Jewel Avenue From: County St. To: Hse # 10 Feet 180 Feet
Second S
Jowel Avenue From: County St. To: Has #10 Elegy From: County St. To: Has #10 Elegy From: County St. To: Has #10 Project ID #: BotD5071 Estimated: 3/19/2004 by: DE BotD5071 Estimated: 3/19/2004 S00.00 each \$300.00 Estimated: 3/19/2004 Estimate
Jowel Avenue Recommon Recom
Several Avenue From: County St. Length: 180 feet Size: 2 " PF To: Has # 10 Project 10 #: Bid-15971 Estimated: 3/19/2004 by: DE DE DE DE DE DE DE DE
Several Avenue From: County St. Length: 180 feet Size: 2 " PF To: Has # 10 Project 10 #: Bid-15971 Estimated: 3/19/2004 by: DE DE DE DE DE DE DE DE
Jewel Avenue From: County St. Length: Size: 2 " pp To: Has #10 Project 10 #: Bid-15571 B
Jewel Avenue Rength: 180 feet Size: 2 PF To: Hse # 10 Project ID #: BOAD5071 Estimated: 3/19/2004 by: DE
Jewel Avenue From: County St. Ength: 180 feet From: County St. Ength: 180 feet From: County St. Estimated: 3/19/2004 by: DE
Jewel Avenue From: County St. To: Hse # 10 From: County St. To: Hse # 10 Project ID #: Be04D5071 Estimated: 3/19/2004 by: DE
Jewel Avenue From: County St. Size: 2 " pp From: County St. Size: 3/19/2004 Sys. DE Stimated: 3/19/2004 Sys. DE Stimated: 3/19/2004 Sys. DE Stimated: 3/19/2004 Sys. DE Stimated: Sys. DE Sys. D
Jewel Avenue From: County St. To: Had Ha
Jewel Avenue Length: 180 feet Size: 2 " PP From: County St. To: Hse # 10 Project ID #: B04D5071 Estimated: 3/19/2004 by: DE DE DE DE DE DE DE DE
Jewel Avenue Length: 180 feet From: County St. To: Hse # 10 Project ID #: B04D5071 Estimated: 3/19/2004 by: DE
Jewel Avenue From: County St. To: Hse # 10 180 feet Size: 2 " PP Project ID #: B04D5071 Estimated: 3/19/2004 by: DE
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Jewel Avenue Length: 180 feet Size: 2 " PP Project ID #: 804D5071 Size: 3/19/2004 Size: 2 " PP Project ID #: 804D5071 Size: 3/19/2004 Size: 2 " PP Project ID #: 804D5071 Size: 3/19/2004
Jewel Avenue Length: 180 feet
Jewel Avenue Length: 180 feet 180 feet of Plastic Pipe @
Jewel Avenue Errorri County St. To: Hse # 10 To: Hse # 10 To: Hse # 10 Project ID #: B04D5071
Jewel Avenue Length: 180 feet Size: 2 *PP
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Jewel Avenue Length: 180 feet
Jewel Avenue "Length: 180 feet From: County St. Size: 2 " PP To: Hse # 10 Project ID #: B04D5071 Estimated: 3/19/2004 by: DE
Jewel Avenue " Length: 180 feet From: County St. Size: 2 " PP To: Hse # 10 Project ID #: 804D5071
Jewel Avenue "Attebulo" "Attebulo" "Attebulo" "Attebulo" "Attebulo" "I 180 feet "I 180 fee
Jewel Avenue , Attebuto , Length: 180 feet
Jawel Avenue
Bay State Gas Attleboro

Pay State Cas			AG-2-17
Bay State Gas Country Street		Attleboro	
From: Thatcher St.	, Length:		feet
To: Bushee St.	Size		" PP
	Project ID #:		
MATERIAL	Estimated:	3/19/2004	by: DER
Quantity Description	Price	!	Cost
750 feet of Plastic Pipe @	\$3.32	per foot	\$2,490.00
1 6-in Plastic Tee @	\$33.37		\$33.37
1 6-in Plastic Valve @	\$531.71		\$531.71
1 6-in Trans. Fit @	\$80.50		\$80.50
2 6-in Plastic Elbow	\$25.65		\$51.30
2 6-in Plastic End Cap @	\$17.86		\$35.72 \$450.00
3 Service Stock	\$150.00		\$450.00
Miscellaneous Fittings add	10.00%	Sub Total	\$367.26 \$4,039.86
Overhead	23.60%		\$953.41
Civinado	20.0070	Total	\$4,993.27
COMPANY LABOR			
Hours			
42 Inspector hrs.		per hour	\$1,202.88
0 Sm. Tie-in Crew hrs.		per hour	\$0.00
4 Lg. Tie-in Crew hrs. 0 Welder	•	per hour	\$323.40 \$0.00
0.5 Administrative work		per hour per hour	\$0.00 \$12.50
0.5 Administrative Work	\$25.00	Sub Total	
Overhead	71.30%	Odb Total	\$1,097.15
		Total	\$2,635.93
CONTRACTOR CHARGES LABOR			
750 feet of paved	\$14.93	per unit	\$11,197.50
0 feet of unpaved	\$10.63	per foot	\$0.00
0 ft of open trench, no bkfli	\$5.97	per foot	\$0.00
0 ft of open trench, bkfll to tape	\$7.02	per foot	\$0.00
0 ft of open trench, bkfll		per foot	\$0.00
0 service tie-over	\$500.00		\$0.00
4 hrs. for backhoe	\$62.06	•	\$248.24
72 hrs. for traffic control	\$38.00 \$272.36	•	\$2,736.00
0 hrs of hole hog 0 In. ft of sawcut		per unit per foot	\$0.00 \$0.00
15 boulder removal		per cu. yd.	\$785.70
0 ledge removal		per cu. yd.	\$0.00
RESTORATION			
62.5 sq. yds. of permanent patch		per cu. yd.	\$2,222.50
187.5 sq. yds. of temporary patch		per cu. yd.	\$6,667.50
0 sq. yds. of loam & seed		per cu. yd.	\$0.00
0 Ln. ft of infared	\$12.50 \$13.46	•	\$0.00
50.0 cu. yds. of sand		per cu. yd.	\$673.00
15 cu. yds. of gravel	\$13./8 <u>}</u>	per cu. yd.	\$206.70
permit	\$50.00 _[per project	\$50.00
contingency	0.00%		\$0.00
additional	-	Total	\$24,787.14
		Overhead Total	\$2,050.56
		Sub Total	\$2,030.36 \$30,365.78
		Jub I Oldi	400,000.70

Grand Total

\$32,416.34

Bay State Gas Thacher Street From: County St. To: Hse # 384 MATERIAL	Length: Size:		
From: County St. To: Hse # 384	Size:	425	
To: Hse # 384	Size:		
	Project ID #		PP
MATERIAL.	FIGEGIE ID II.	B04D5071	
	Estimated:	3/19/2004	by: DER
O and the Description	Price		Cost
Quantity Description 425 feet of Plastic Pipe @		per foot	\$1,411.00
1 6-in P.C @	\$605.75	•	\$605.75
1 6-in Steel Valve @	\$620.75	each	\$620.75
1 6-in Trans. Fit @	\$80.50	each	\$80.50
2 6-in 90-deg Weld Elbow	\$18.83	each	\$37.66
2 6-in Weld End Cap @	\$7.28		\$14.56
3 Service Stock	\$150.00		\$450.00
Miscellaneous Fittings add	10.00%	-	\$322.02
	22 500/	Sub Total	\$3,542.24 \$835.97
Overhead	23.60%	Total	\$4,378.21
		Total	41 ,310.21
COMPANY LABOR			
Hours 29 Inspector hrs.	\$28.64	per hour	\$830.56
0 Sm. Tie-in Crew hrs.		per hour	\$0.00
4 Lg. Tie-in Crew hrs.	\$80.85	per hour	\$323.40
0 Welder		per hour	\$0.00
0.5 Administrative work	\$25.00	per hour	\$12.50
	74 200/	Sub Total	\$1,166.46
Overhead	71.30%	Total	\$831.69 \$1,998.15
CONTRACTOR CHARGES			
LABOR	£44.00		\$6.24E.2E
425 feet of paved		per unit per foot	\$6,345.25 \$0.00
0 feet of unpaved		per foot	\$0.00
0 ft of open trench, no bkfil 0 ft of open trench, bkfil to tape	•	per foot	\$0.00
0 ft of open trench, bkfll		per foot	\$0.00
0 service tie-over	\$500.00	•	\$0.00
4 hrs. for backhoe	\$62.06	per hr.	\$248.24
46 hrs. for traffic control	\$38.00	per hr.	\$1,748.00
0 hrs of hole hog	\$272.36	•	\$0.00
0 In. ft of sawcut		per foot	\$0.00
8.5 boulder removal		per cu. yd.	\$445.23
0 ledge removal	\$235.70	per cu. yd.	\$0.00
<u>RESTORATION</u>			
35.42 sq. yds. of permanent patch		per cu. yd.	\$1,259.42
106.25 sq. yds. of temporary patch		per cu. yd.	\$3,778.25
0 sq. yds. of loam & seed		per cu. yd.	\$0.00
0 Ln. ft of infared		per foot per cu. yd.	\$0.00 \$381.37
28.3 cu. yds. of sand		per cu. yd.	\$301.37 \$117.13
8.5 cu. yds. of gravel	\$13.70	per cu. yu.	9117.13
permit	\$50.00	per project	\$50.00
•	0.00%		\$0.00
contingency			
contingency additional		Total	\$14,372.88
- ·		Total Overhead Total	\$14,372.88 \$1,667.66

Bay State Gan Gonpany P. D.T.E. 05-27 AG-2-17 Attachment C 2002 Page 10 of 47

WATER DEPARTMENT

MUST BE NOTIFIED IN

ADVANCE OF STREET OPENING, TEL:(508)222-



CITY OF ATTLEBORO, MASSACHUSETTS PUBLIC WORKS DEPARTMENT STREET SIDEWALK PERMIT

Permit Number <u>BSG #2004-0082</u> Fee: Street Opening = \$325,00 () Date: <u>04-29-04</u> Inspection = \$50.00 (X) Expiration Date (60 days): <u>06-28-04</u> Misc; replace gas = \$150.00 () Dig Safe No. <u>20041710065</u> main	7220, OR (608)222-0019. APPLY FOR RENEWAL PRIOR TO EXPIRATION OF THIS PERMIT. DIG SAFE # EXPIRES AFTER 30 DAYS. NEW DIG SAFE # REQUIRED PRIOR TO EXPIRATION OF DIG SAFE #.
Name of Contractor Bay State Qas Company Address 995 Balmont Street	Tele 608-580-0100
Owners Name Address County Square	Telé
Nature of Business Replacing existing gas mains on Thecher Street & County Street a	nd connecting side streets
Street and/or Sidewalk Location Conditions; processed gravel compacted in 6" life wi	th water to road surface.
top 6" removed & replaced with 4" of concrete then topped with 2" asphalt binder, con	paction to be tested
Continuing performance band for multiple permits \$5000.00 and up	
2. Indemnification and Liability Insurance: () A. \$100,000 - Bodily Injury	
() 8, \$50,000 - Property Damas	29
3. Condition of Permit - Refer to Superintendent of Public Works - Ordinance 18-6.8	
4. Certification of Restoration - Approved by Superintendent of Public Works	
5. Revocation of Permit - Superintendent of Public Works on Ordinance 16-8.10 8. Penalties - Superintendent of Public Works on Ordinance 16-6.11 (\$200.00 First	Offense, \$400.00 Second Offense
7. Condition:	
A. Sawout (X) B. Backfill with Fresh Materials (X) C. Compa	act 85% (X)
D. Top with 3" of Concrete () E. Overlay with Hot Mix (X). Infrare	diction () o Florence EU()
	Grature () G' Flowable Lin ()
8, Policing: (X) Required () Not Required	
n accordance with the provisions of Section 16-6-8 of the Ordinances of the City of Attleb he understanding that all perceptions will be taken to protect the public in the use of this a and night and that the street and/or sidewalk will be restored to its acceptable condition or if Public Works 16-8.9. The contractor shall notify the Public Works Department 16-6.8 C Return one copy of permit to the Office of Superintendent of Public Works upon complete FOREMAN 24 HOURS BEFORE BACKFILLING AT (508)222-0006	street and/or sidewalk both day escribed by the Superintendent forty-eight hours (48) to start work.
JBLIC WORKS (508)223-2222, EXT#3160	City Collector
Wayne A Namen 4/29/04.	
ontractor Signature, Title, Littliff & Telephone	Approved Denied
Signature Superintendent of Public Works Issuance of Permit	

Bay State Gas Company

STATE GAS COMPANY PERMITS 300 FRIBERG PKY WESTBOROUGH, MA 01581

AY TO THE \$250.00 DOLLARS (1)

FOR 5 pumils - County ST

#018638# #011000138# 00522

	JUL	AG J	0	7 A 20	ttaci	ATTE	mt C M47
1)					- [((a)	\Box

· (LÔ_				B04D5071	JUL 3	2-17 Attachment 0 2000 1200
		Distribution	on Work Order	Proj	ect I.D.	((0)
Identifica	ation:	· ·	*		COMPL	EIED
At House	To House	Street Name	Location Phone		ork Order #	
0	0	THACHER ST			5556213-	1
Bldg. # Unit	t# Apt.# Suite#	Томп	Work Phone	In	itiated Date	
		ATTLEBORO			04/22/30	04
At Lot Te L	ot At Pole To Pole	At Intersection	Customer Accou	nt# In	nitiated Time	
					14:17	
Kit and Grid#		To Intersection	CCS Number	So	ource	
			0-0-0		EMPLOYEE	
Customer Nam	e	Entered By	Digging Conditio	ns So	ource Name	
					NGUYEN W	AYNE
Work:	Work Code Work Descri	iption	Estimate	d Units	Scheduled Date	
	TRMIC MAIN	-REPL-TIEIN-MUNI	MP 1		5-17-0	· &
			Leak Pric	ority	Employee Assigned	i
	27.44.5			-	73	-3
		Antonio Propodici			THE WALL	
	Outgoing Comments	`	Cauce	Leak	BSG Crew Assigne	d
	TIE IN NEW	6" PP MAIN			33	3
			Dig Safe			
					Contr. Crew Assign	ied
			Job Prior	ity		
Pipe Dat	a:				Other Data	1:
	New-Pipe	Expo	sed Pipe	etired Pipe		žė
Pipe Size					Anode Inst. Flow Limiter	
Pipe Type			2724		Installed Flow Limiter	
Coat Type	排		- 75 - L		Tagged Curb Cock	
Pressure	1	area.	11170	12.72.12	Installed Meter Barrier	77
Length .					Installed Meter Fit	
Cut	S	M L		S Male	Installed	
Depth			* 38 ¹		Inside	TE M
Year	*************************************		27		Outside	DW
Pipe Cond.	LN-F	P-VP	LN-F-P-VP LI	N-F-P-VP	Soap Test	4
Coat Cond.	G-MI	D-ED	G-MD-ED C	G-MD-ED	Pressure Test	11
Pit Depth	***************************************				Pounds/ Square Inch	
# of Fits			AND THE PROPERTY OF THE PARTY O		Elpsd. PSI Time	
Fit Size					Tause	
Rate Class	10.0 (1.0 (1.0 (1.0 (1.0 (1.0 (1.0 (1.0				Patch Size	
	22 E - 32 GA	entre a contraction		SENT GRANDE IN STREET, THE	Length	

1

Restoration Done

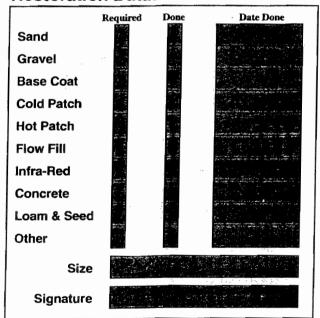
Restoration Needed

40

Bill to Customer?

Width

																				AG-2		. 05-27 ment C 3 of 47
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Lir	ne	of	Ma	ain	_																	

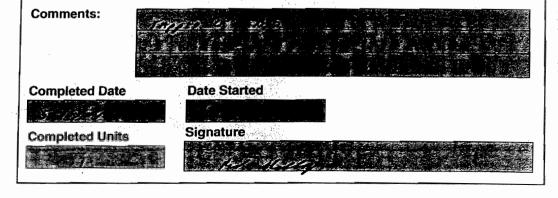


Dig Safe: Notification:	Ticket #	Date Effective					
Permit Require	ed:						
	Date Sent	Date Rec'd	Permit #				
Town							
State		 .					
Water Notificat	ion:	Date Called_					
Sewer Notifica	tion:	Date Called_	And the second s				

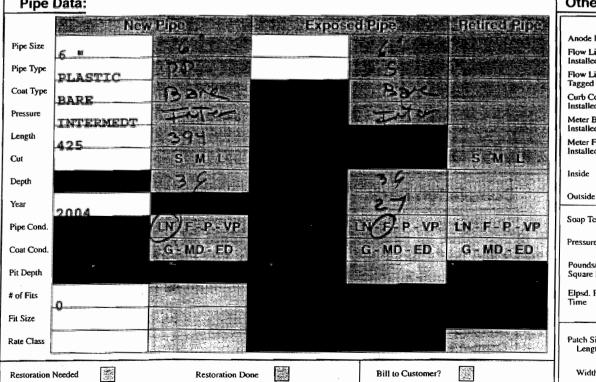
Stamps:

PRO SCAN JUL 0 2 2004 COMPLETED

Completion Data:



W					во4	D5071 JUL 3 G-2-17 Attachir
%				Distribution	Work Order	COMPLETED
denti	ificatio	n:				SOMPLETED
At House	e	To House		Street Name	Location Phone	Work Order #
0		()	THACHER ST		5556210-1
Bldg.#	Unit#	Apt.#	Suite#	Town	Work Phone	Initiated Date
				ATTLEBORO		04/35/2006
t Lot	To Lot	At Pole	To Pole	At Intersection	Customer Account #	Initiated Time
						14:14
it and C	Grid#			To Intersection	CCS Number	Source
					0-0-0	EMPLOYEE
ustomer	r Name			Entered By	Digging Conditions	Source Name
	_					NGUYEN WAYNE
Vork:	We	ork Code	Work Desc	ription	Estimated Units	Scheduled Date
		MRMIC	MAIN	REPL - MUNICIPAL		
				tolkation en	Leak Priority	Employee Assigned
				k Perkula a ki		
				HEDROLL E.		0159
	Ou	tgoing Com	nents	·	Cause of Lesis	BSG Crew Assigned
		REPLA	CE 425	OF 6" PP MAIN		
		ABAND	ON 425	OF 6" PP MAIN OF 6" BS MAIN	Dig Safe#	1431
					101	Contr. Crew Assigned
				$\mathcal{O}_{\mathcal{M}}$	Job Priority	
						MENCO *
Pipe	Data:					Other Data:
			ordeo.		dala Balance	ripe a
e Size	£ H					Anode Inst. Flow Limiter
е Турс	L SCA		in in the second	in the second se		Installed
7.	PI.AS	TIC_				Flow Limiter



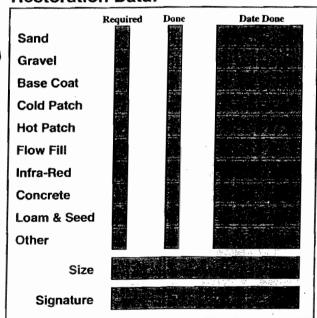
Restoration Done

Restoration Needed

Curb Cock Installed COMPLETED Meter Barrier Installed Meter Fit Installed Inside Outside X Soap Test 7 Pressure Test Pounds/ Square Inch Elpsd. PSI Time Patch Size Length Width

Bay State Gas Company Sketch: AG-2-17 Attachment (Page 15 of 47 Line of Main

Restoration Data:



Permit Data:

Dig Safe: Notification:	Ticket #	Date Effec	
Permit Required: I Town State		Date Rec'd	Permit #
Water Notificatio		Date Called_	

Stamps:

PRO SCAN JUL 0 2 2004

COMPLETED

Completion Data:

Comments: **Completed Date Date Started** Signature **Completed Units**



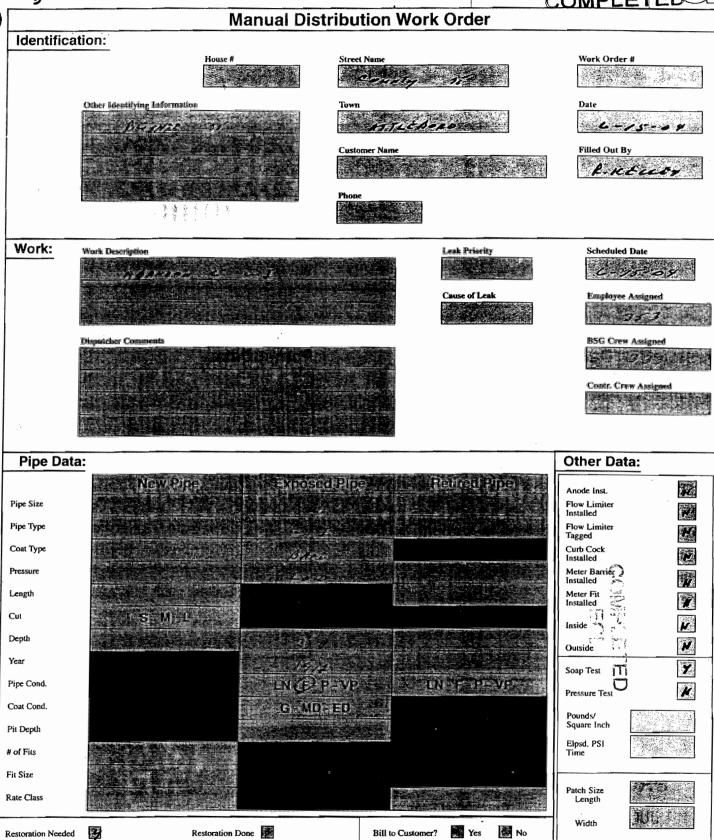
Bay State Gas Company.

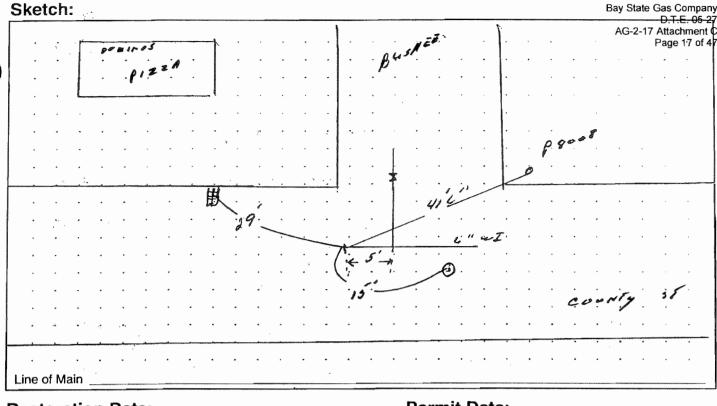
UL U 2004D.T.E. 25-27:

AG-2-17 Attacking the

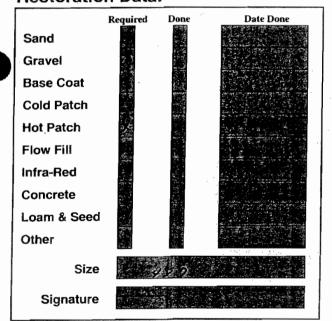
COMPLETED







Restoration Data:



Permit Data:

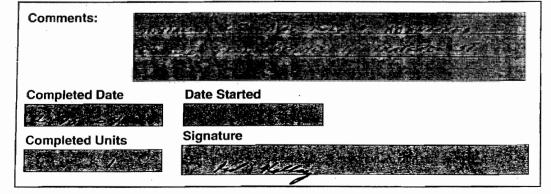
Dig Safe: Notification:	Ticket #		Date Effective
Permit Required: Town State		Date Rec'd	Permit #
Water Notification			

Stamps:

PRO SCAN
JUL 0 2 2004

COMPLETED

Completion Data:



			Distributio	on Work Ord	B04D507	Bay State Gas Company 1 JUL 3 0 2004D.7 65-27 AG-P-17 Attactment C
Identific	ation:		Diotilouti			COMPLETED
At House	To House	Street Na	me	Location F	hone	Work Order #
0	0	COU	NTY ST			5556158-1
Bldg. # Un	nit# Apt.#	Suite# Town		Work Pho	ne	Initiated Date
		ATT	LEBORO			04/22/2004
At Lot To	Lot At Pole	To Pole At Interse		Customer	Account #	Initiated Time
AT IAN	TAX ACCOR					14:02
10.10.11		To Interes	ation.	CCS Numi	har	Source
Kit and Grid	H	To Interse	ction	0-0		EMPLOYEE
Customer Nar	ne	Entered B	<u>y</u>	Digging Co	enditions	NGUYEN WAYNE
Monte						
Work:	Work Code	Work Description			timated Units	Scheduled Date
	MRMIC	MAIN REPL	- MUNICIPAL			
				Les	ak Priority	Employee Assigned
					,	0159
						0.07
	Outgoing Comme			Cau	use of Leak	BSG Crew Assigned
	REPLAC	E 750' OF 6	" PP MAIN " WI MAIN			143)
	, ADIAGO	,50 01 0	رنا ک	Dig	g Safe #	1321
			(d) Mark 1	′ L	100	Contr. Crew Assigned
			C. G.	Job	Priority	
						NEUCO
Pipe Da						Other Data:
	New	/ Pipe	Expos	ed Pipe	Retired Pipe	Anode Inst.
Pipe Size 6_	II	6.9		6		Flow Limiter Installed
Pipe Type PI	ASTIC	PP		<u> </u>		Flow Limiter Tagged
Coat Type	RE	Barc		THE		Curb Cock Installed
Pressure	TERMEDT	Intu		INTO		Meter Barrier
Length 7.5		652	·			Installed
Cut		SML			SML	Installed
Depth	A +	3.9		34		Inside
Year 2.0	04			62		Outside 5
Pipe Cond.		LN-F-P-VP		LN-F-P-VP	LN-F-P-VP	Soap Test .
Coat Cond.		G - MD - ED		G-MD-ED	G - MD - ED	Pressure Test
Pit Depth					*	Pounds/ Square Inch \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
# of Fits						Elpsd. PSI
Fit Size						Time 177
Rate Class						Patch Size
						Length

Biff to Customer?

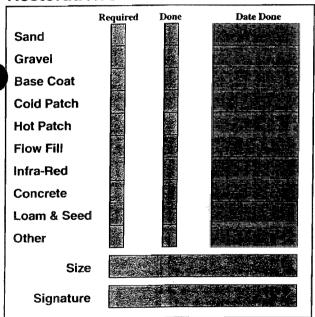
Restoration Done

Restoration Needed

Width

Bay State Gas Company
D.T.E. 05-22
AG-2:17 Attachment
Page 19 of 4

Restoration Data:



Permit Data:

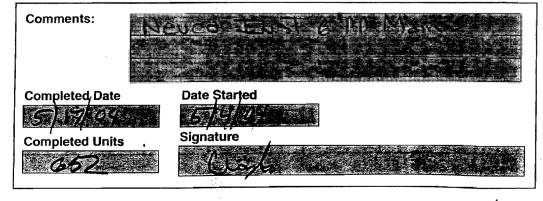
Dig Safe: Notification:	Ticket #	Date Effective		
Permit Require	ed:			
	Date Sent	Date Rec'd	Permit #	
Town				
State	-			
Water Notificat	tion:	Date Called		
Sewer Notifica	tion:	Date Called		
-				

Stamps:

PRO SCAN
JUL 0 2 2004

COMPLETED

Completion Data:





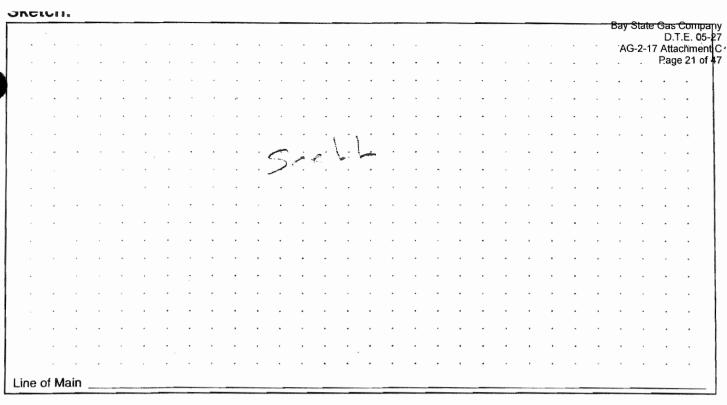
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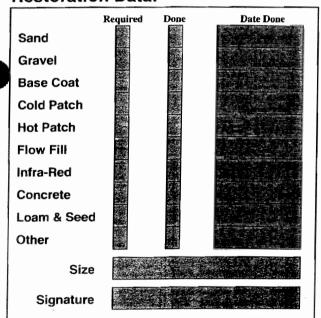
Project LUU 3 0 2004 Page 20 of 4

Distribution Work Order

Identifica	ation:							COMPI	ETED	
At House	To House		Street Name			Location Pt	ione			1
0	0		COUNTY	ST				555620	7-1	
Bldg.# Uni	t# Apt.#	Suite#	Town			Work Phon	e	Initiated Date		1
			ATTLEE	ORO				04/22/	2004	
At Lot To I	ot At Pole	To Pole	At Intersection			Customer /	Account #	Initiated Time		
								14:10		
Kit and Grid #			To Intersection			CCS Numb	er	Source		
						0-0-	- 0	EMPLOY	EE	
Customer Nam	e		Entered By			Digging Co	oditions	Source Name		
								NGUYEN	WAYNE	
Work:	Work Code	Work Descri	iption			Esti	mated Units	Scheduled Date	e	
	TRMIC			EIN-MUNIN				5-17-		
						Lea	k Priority	Employee Assi		,
				and the state of t				31		
				1. W. P. W. J. J. J. J. V. W.						
	Outsiles Comm		The state of the s	T. A. P. C. C. S.		Cou	se of Leak	BSG Crew Ass	100	,
	Outgoing Comm			TAT			- VI 122.		3 3	
	TIE	N NEW	6" PP MA	TN		1988			- /	
					6 1/6 N	Dig	Safe #			l
					(C)			Contr. Crew A	ssigned	ı
					,	Job	Priority			
Dine Det			***************************************					Other Da	oto:	
Pipe Dat		ne see				and.	Retired Pipe		ala.	
Dina Cira	ive	w Pipe		Expos	ed Pipe		nemeu ripe	Anode Inst.	11	
Pipe Size		400 T W (100			00			Flow Limiter Installed	jø	
Pipe Type					7			Flow Limiter Tagged		
Coat Type					CONCA	MINICAL IN TRANSPORT		Curb Cock Installed		
Pressure					INTE			Meter Barrier Installed		
Length			144.7					Meter Fit Installed		
Cut		S	M L		547 W. V.	Chymrift age (500 page)	S M L	Inside	Ti W	
Depth		41 · + · · ·			40'			Outside		
Year					62			Soup Test	4	-
Pipe Cond.	ا معیه در این	LN-F	- P - VP		LN-F-	P - VP	LN-F-P-VP	Pressure Test	A/	
Coat Cond.	Ke.	G - M	D - ED		G - MD	- ED	G - MD - ED	.]	[#]	
Pit Depth								Pounds/ Square Inch		
# of Fits			A					Elpsd, PSI Time		
Fit Size										\parallel
Rate Class								Patch Size Length	4	
	. 🗀			[77]						
Restoration Neede	d i		Restoration Done	4.3	Bill to	Customer?		Width		



Restoration Data:



Permit Data:

Dig Safe: Notification:			Date Effective		
	-				
Permit Require	d:				
	Date Sent	Date Rec'd	Permit #		
Town					
State 3					
Water Notificat	ion:	Date Called_			
	tion:				

Stamps:

Completion Data:

PRO SCAN

JUL 0 2 2004

COMPLETED

Comments:	
Completed Date	Date Started
Completed Units	Signature
OWN TO SE	



JUL By State Gas Comp

Yes No

Bill to Customer?



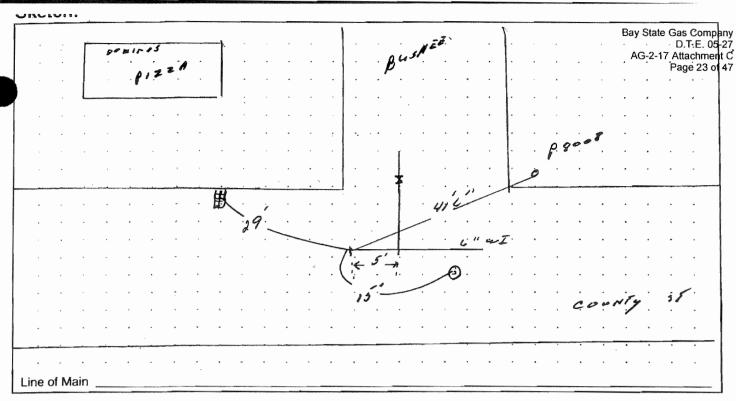
()				COMPLETE	e 22 of
	M	anual Distributio	n Work Order		
Identific	cation:				
	House #	Street Name		Work Order #	
		00	unty 1		
	Other Identifying Information	Town		Date	
	BUSNEE 21	-	TILERORO	6-15-09	<i>w</i>
		Customer N	ame	Filled Out By	,
				R-Ktccer	,
		Phone		,	
Work:	Work Description	-	Leak Priority	Scheduled Date	
	A GANGON 6.	- I		6-15-04	
			Cause of Leak	Employee Assigned	
				353	
	Dispatcher Comments			BSG Crew Assigned	
				333	94. E
	4			Contr. Crew Assigned	
				1964 1984	
1					
<i>,</i>					
Pipe Da				Other Data:	
	New Pipe	Exposed Pipe	Retired Pipe		K
Pipe Size		6"		Flow Limiter Installed	/
Pipe Type		4. I		- 11	۲
Coat Type	7.1	BARZ		Curb Cock Installed	~
Pressure		Low		Meter Barrier Installed	N.
Length				Meter Fit	7
Cm	S M,L			Inside	<u> </u>
Depth				Outside	~
Year		1912			7
Pipe Cond.		LN 🕟 P - VP	LN - F - P - VP	, '**'i	*
Coat Cond.	The Court	G - MD - ED	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Pounds/	_
Pit Depth	The second second			Square Inch	
# of las		The state of the s	1.	Elpsd. PS1 Time	
Fit Size		33			
Rate Class				Patch Size Length	
					7 II

Enter Other Completion Information And Restoration Information on Back

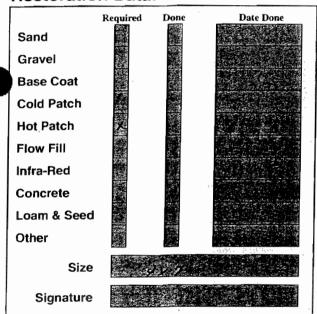
Restoration Done

4

Restoration Needed



Restoration Data:



Permit Data:

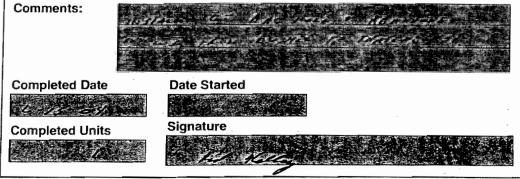
Dig Sa	ıfe:	Ticket #		Date Effective			
Notific	ation:		-				

Permit Required:							
		Date Sent	Date Rec'd	Permit #			
Town	San						
State	e e e e e e e e e e e e e e e e e e e		-				
Water	Notificatio	on: 🖺	Date Called				
Sewer Notification:			Date Called				

Stamps:

PRO SCAN JUL 0 2 2004 COMPLETED Comments:

Completion Data:





Distribution Work Order

Bay State Gas Company
B04D5071

B04D5071

Boy State Gas Company
AG-2-1

Attachprent C

Project LDUL 3 0 2004

<u> </u>		Distributi	on work order		- 30L 3	0 2004
Identificat	tion:				COMPI	ETED
At House	To House	Street Name	Location Photo	ne	COMPL	
0	0	JEWEL AVE			5556124	-1
Bldg. # Unit	# Apt. # Suite #	Town	Work Phone		Initiated Date	
		ATTLEBORO			04/22/2	2004
At Lot To Lo	ot At Pole To Pole	At Intersection	Customer Ac	count #	Initiated Time	
					13:23	
Kit and Grid #		To Intersection	CCS Number		Source	
			0-0-0)	EMPLOYE	Ë
Customer Name		Entered By	Digging Cond	itions	Source Name	
CESTOTICS THAT		Later et al			NGUYEN	WAYNE
Work:	Work Code Work Descr	rintian	Fetime	ated Units	Scheduled Date	
				ateu Ollus	Scheduled Date	
	MRMIC MAIN	N REPL - MUNICIPA				
			Leak I	Priority	. Employee Assig	ned
					0.135	
	and the sales and the sales are	and the second s		and the second s		
	Outgoing Comments			of Leak	BSG Crew Assi	gned
:	REPLACE 180	OF 2" PP MAIN	1 m			
			Dig Sa	ule#		
					Contr. Crew As	signed
			Job Pr	iority		
Pipe Data	<u>3:</u>				Other Da	ita:
	New Pipe	= {{}}.	खब्ध शहूल	ાં ભારત માલ		15 E
Pipe Size	n 2				Anode Inst. Flow Limiter	
Pipe Type	ASTIC				Installed Flow Limiter	
Coat Type			11514		Tagged Curb Cock	O H
Pressure	PERMEDT 4	22	驱动		Curb Cock Installed Meter Barrier	9 4
Length	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<i>7</i> /			Installed Meter Fit	
Cut 181		M L		S W E	Installed	25
Depth	6	96			Inside	
Year			3.7		Outside	
Pipe Cond.		4P 3 YP	น์ที่ = ค.พ.	EN PER-VR	Soap Test)
Coat Cond.	State Control of the Control		G-MD-ED		Pressure Test	2
	CEN	(ID) = ED	G-MD-ED	€aMD-ab	Pounds/	120
Pit Depth					Square Inch	155
# of Fits					Elpsd. PSI Time	[Ihr
Fit Size			20030			
Rate Class					Patch Size Length	1144
Restoration Needec		Restoration Done	Bill to Customer?		Width	

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Sketch:

Bay State Gas Company
D.T.E. 05-27
AG-2-17 Attachment C
Page 25 of 47

Sac L. L.

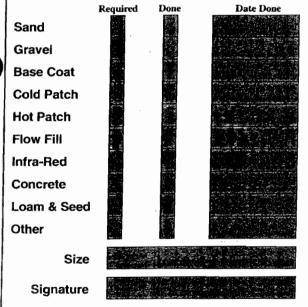
Line of Main

Restoration Data:

Permit Data:

Dig Safe: Ticket # Date Effective

Natification:



Dig Safe: Notification:	Date Effe	
Permit Required Town	Date Rec'd	Permit #
Water Notification	Date Called_ Date Called_	

Stamps:

Completion Data:

PRO SCAN

JUL 0 2 2004

COMPLETED

Comments:	
Completed Date Completed Units	Date Started Signature

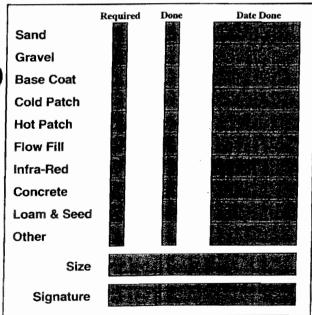


Distribution Work Order

JUBANSTRIE ZARACOMPANY
D.T.E. 05-27
B04D5071 COMPLETE FOR THE PROJECT I.D.

Identifica	tion:							
At House	To House		Street Name		Locat	ion Phone	Work Order #	
0)	JEWEL	AVE			55561	45-1
Bldg. # Unit	# Apt. #	Suite #	Town		Work	Phone	Initiated Date	
		· .	ATTLE	BORO			04/23	/2004
At Lot To L	ot At Pole	To Pole	At Intersection	1	Custo	mer Account #	Initiated Time	
							13:52	
Kit and Grid #		4410	To Intersection	1	CCS	Number	Source	
					0	-0-0	EMPLO	YEE
Customer Name			Entered By		Diggir	g Conditions	Source Name	
							NGUYE	N WAYNE
Work:	Work Code	Work Descri	ption			Estimated Units	Scheduled E)ate
	TRMIC	MAIN	-REPL-T	EIN-MUNIME		1		
		7 375				Leak Priority	Employee A	ssigned
				• 1671-147				
			he/di	aries .		Anglish and the state of	0.13	9
	Outgoing Comm	nents				Cause of Leak	BSG Crew A	Assigned
	TIE I	N NEW	2 " PP M2	AIN 👝 U		ALCOHOL		
				(d) 101	`	Dig Safe #	17	3/
				مان ح			Contr. Crew	Assigned
						Job Priority		
							- 10	Eurousta
Pipe Data	1:						Other	Data:
ĹŰ		ry dige		Expose	dage :	Felicaling		E S
Pipe Size					- 7 W.		Anode Inst	25 23
Ріре Туре							Installed Flow Limit	er ES
Coat Type		ur Sv			. In		Tagged Curb Cock	
Pressure							Installed Meter Barri	
Length							Installed Meter Fit	
Cut		: s ::	4 (1)			S M L	Installed	वर्षे 🎚
Depth		三旁	6		17.4		Inside	
Year					204		Outside	
Pipe Cond.		ZENE) F	(2.472)	· · · · · · · · · · · · · · · · · · ·	NAF-P-V	PELNEFEP V	Soap Test	
Coat Cond.		. EG≛ MI	i.ED		G - MD - EI) G-MD-ED	Pressure Te	st
Pit Depth		7-					Pounds/ Square Inch	160
# of Fits	:			1111		The second secon	Elpsd, PSI	1-HR
Fit Size							Time	1,77.
Rate Class							Patch Size	· · · · ·
							Length	
Restoration Needed	者等	F	Restoration Done	では	Bill to Custon	ner?	Width	

AG-2-17 Attachme Page 27 o	esto	ra	tio	n I	Dat	a:												Pe	rm	it C)ata	a:								
Page 27 c																														
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Dig Safe: Notification:	Ticket #		ctive
Permit Require	d:	Date Rec'd	Permit #
Town State		-	
Water Notificati	on:	Date Called_	
Sewer Notificati	ion:	Date Called_	

Stamps:

PRO SCAN

JUL 0 2 2004

COMPLETED

Completion Data:

Completed Date

Date Started

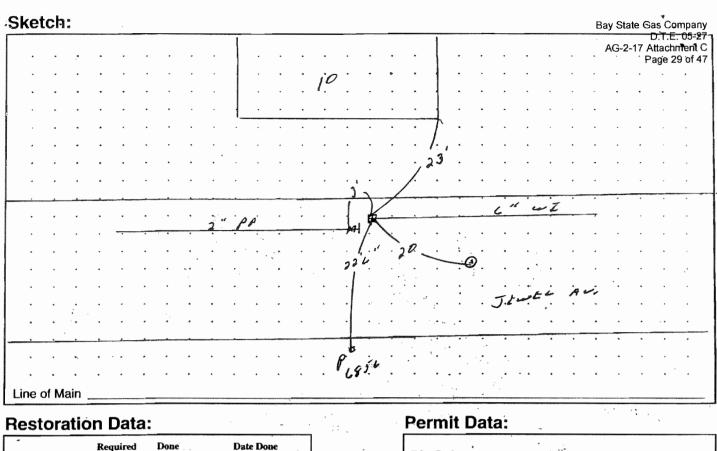
Completed Units

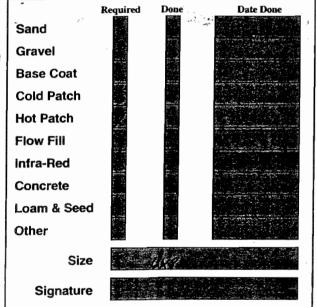
Signature



			BRUGGSCONAN
Ô.		B04D5071	AG-2-17 Attachment
%	Distribution Work Order	Project I.D.	JUL 3 10 25000
dentification:			OMPLETED

identifica							NAFFLE
At House	To House	Street Name		Location E	hone	Work Order #	
0	0	JEWEL	AVE			5556124	<u> </u>
Bldg. # Uni	t# Apt.# 5	Suite # Town		Work Pho	ne	Initiated Date	
		ATTIE	BORO			04/22/2	20-14
At Lot To L	ot At Pole T	To Pole At Intersection	1	Customer	Account #	Initiated Time	
						13:23	
Kit and Grid#		To Intersection	1	CCS Num	ber	Source	
				0-0	- 0	EMPLOYI	3 13
Customer Nam	e	Entered By		Digging Co	onditions	Source Name	
						NGUYEN	WAYNE
Work:	Work Code V	Work Description		Est	imated Units	Scheduled Date	
	MRMIC	MAIN REPL -	MUNICIPAL			6-14-	04
	Ž		(**)	Le:	ak Priority	Employee Assig	ned
		AND STREET	Terror			1134	3
	Outgoing Comment		Action to the second se	Car	ise of Leak	BSG Crew Assi	aned
			DD MATN			Dod city Masi	Buco
	ABANDON	180' OF 2" 1-175! OF 6"	WI MAIN \	Die	Sofo#	1:33	94.434
			100/61		; Safe #	C	•
	}		1/2			Contr. Crew As	signed
				Job	Priority		
Pipe Data	•					Other Da	ta:
Pipe Date		Pipe	- Exposed	Disa.	Retired Pipe		ita.
Pipe Size	THEW .	ripe	Exposed	Libe	• tellico elbe	Anode Inst.	4
2_	n	72. ************************************				Flow Limiter Installed	47
	ASTIC	<i>4</i>		<u> </u>		Flow Limiter Tagged	W
Coat Type BA		19 374 s		BANK	W. BALL	Curb Cock Installed	
Pressure	TERMEDT	1701 1 40		2613	402	Meter Barrier Installed	
Length 180	0	169			161	Meter Fit Installed	37 7
Cut		SML>	27440000		S.M.L.	Inside	
Depth		34		<u> </u>	26"	Outside	
Year 200	14		200 m	04. ·	3		
Pipe Cond.		N)F - P - VP	4	y∕€) P - VP	LN (F) P - VP	*** d	4
Coat Cond.		G-MD-ED		G - MD - ED	G-MD-ED	Pressure Test	*
it Depth						Pounds/ Square Inch	17.12
of Fits			70000000	494		Elpsd. PSI Time	
it Size	3					111111	
ite Class						Patch Size	
					ANS TO THE PERSON NAMED IN COLUMN TO	Length	
Restoration Needed	7	Restoration Done	2	Bill to Customer?	1	Width	





Dig Safe: Ticket #	Date Effective
Permit Required: Date Sent Town State	Date Rec'd Permit #
Water Notification:	Date Called

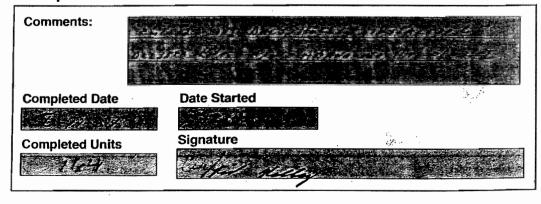
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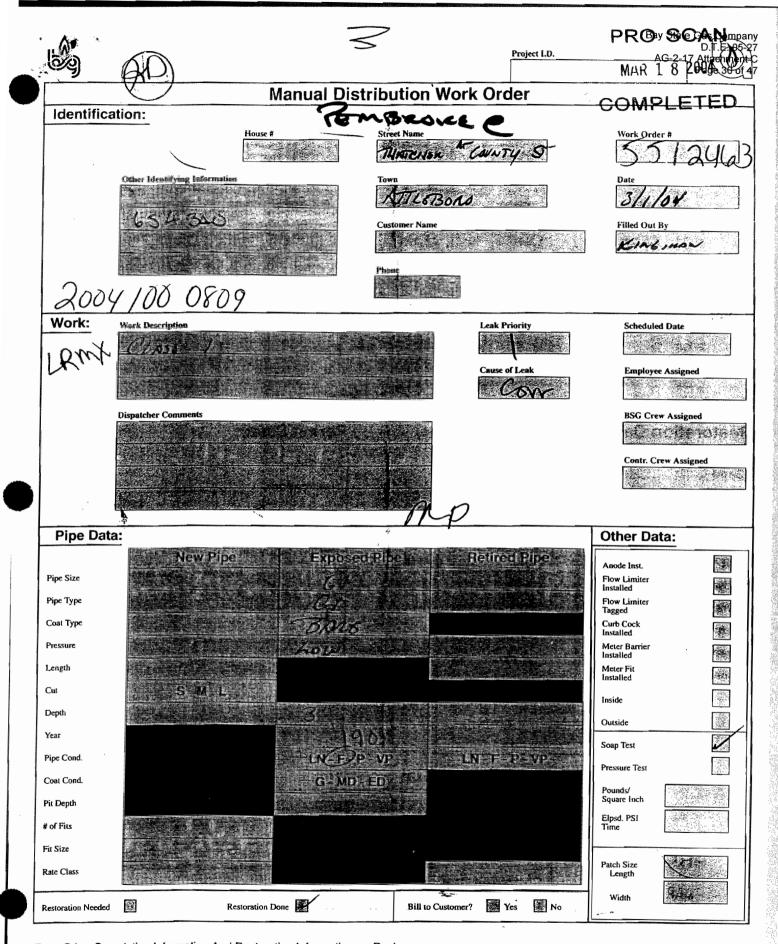
PRO SCAN

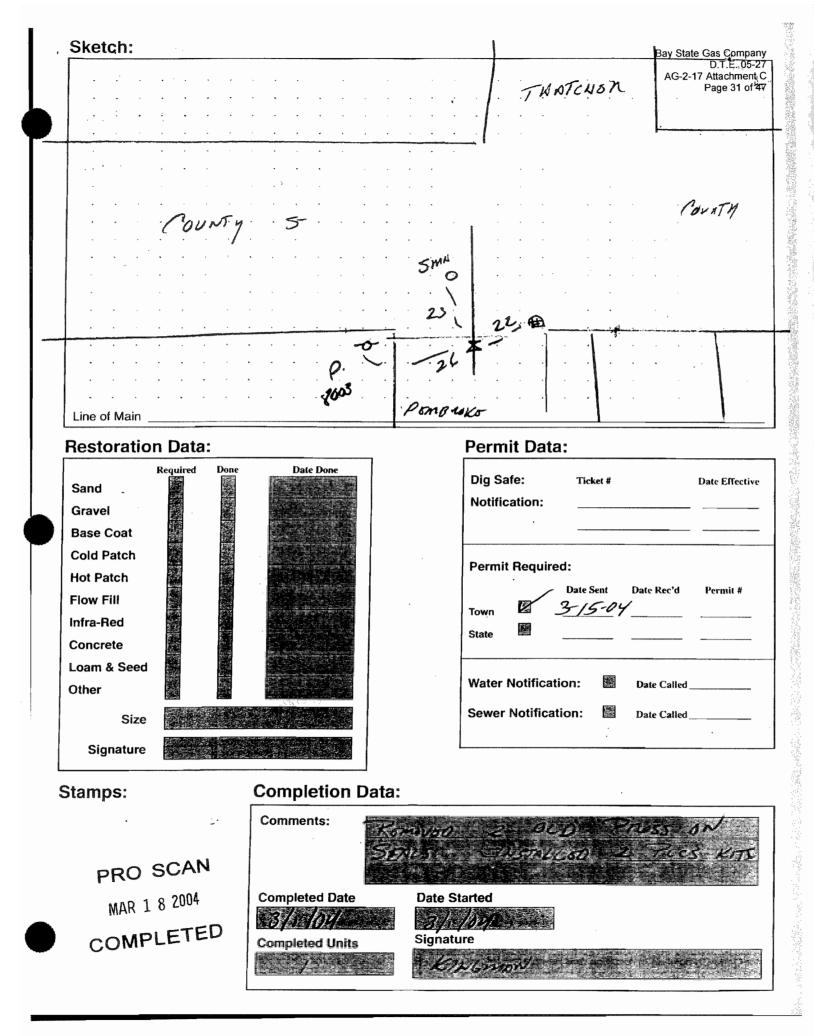
JUL 0 2 2004

COMPLETED

Completion Data:





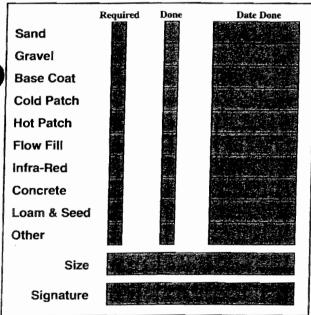


Project I.D.

Project I.D. B04D5071

79		Distributio	on work Order	SOMPLES
Identifica	ation:			COMPLETED
At House	To House	Street Name	Location Phone	Work Order #
0	0	PEMBROKE AVE		5556074-1
Bldg. # Unit	t # Apt. # Suite #	Town	Work Phone	Initiated Date
		ATTLEBORO		04/22/2004
At Lot To I	Lot At Pole To Pole	At Intersection	Customer Account #	Initiated Time
				12:23
Kit and Grid #		To Intersection	CCS Number	Source
			0-0-0	EMPLOYEE
Customer Nam	ie	Entered By	Digging Conditions	Source Name
				NGUYEN WAYNE
Work:	Work Code Work Descri	ption	Estimated Units	Scheduled Date
	MRMIC MAIN	REPL - MUNICIPAL		
	44.71	remaining the contract of	Leak Priority	Employee Assigned
		e des vitas interior		
		BANK PRINT		10457
	Outgoing Comments		Cause of Leak	BSG Crew Assigned
		OF 2" PP MAIN		
	ABANDON 320	OF 2" PP MAIN OF 6" CI MAIN	Dig Safe #	143/
		10'	3kg /	Contr. Crew Assigned
		(A)	Job Priority	College City Talonghea
		:	Journal	NEVCOME
Pipe Dat	a:			Other Data:
	· · · · · · · · New Pipe	i kalistijoj	ed Pines Silver I Jacob Colored	bet
Pipe Size				Anode Inst.
Pipe Type				Flow Limiter Installed
Coat Type				Flow Limiter Tagged
H.A.	re inica	(4.00 mm)		Curb Cock Installed
	TERMEDT # 46			Meter Barrier Installed
Length 32	0			Meter Fit Installed
Cut				Inside
Depth			The state of the s	Outside
Year 201	n4			Soap Test O
Pipe Cond.	(=)24(0)		PYCE-P-VP IN-F-P-	Pressure Test
Coat Cond.	₩G = MI)]= =	G-MD-ED G-MD-E	Pounds/
Pit Depth	netween a suite	and the same of th		Square Inch
# of Fits				Elpsd. PSI Time
Fit Size				
Rate Class				Patch Size Length
Restoration Neede	d S	Restoration Done	Bill to Customer?	Width

ine of Main Pestoration Data: Required Done Date Done Page 33 o Page 33 o Page 33 o Page 33 o	and		K	Almus Mark	u			Da	E 100	ite							Sa	fe: atio		•	Ticke	t #		Dat	e Effe	ctive		
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Dig Safe:	Ticket #	Date Effe	ctive	
Notification:				
				-
Permit Require	ed:			
	Date Sent	Date Rec'd	Permit #	
Town			7	
State				
	. 199			
Water Notificat	ion:	Date Called_		
Sewer Notificat	tion:	Date Called_		

Stamps:

PRO SCAN
JUL 0 2 2004

COMPLETED

Completion Data:

Completed Date

Completed Units

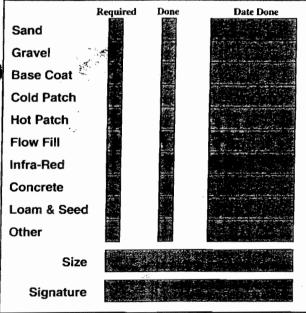
Signature



Bay State Gas Company
PRO S D A M 5-27
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D. IIII 2 0 2004 B04D5071 Project I.D. 1115

				Distribution	n work	COra	er		""JUL 3	3 0 20	U4
Identifica	ation:										
At House	To House		Street Name			Location P	hone	Wo	COMP	LE	ED
0	0		PEMBR	OKE AVE					5556074	-1	
Bldg. # Uni	t# Apt.#	Suite#	Town			Work Phor	ne	ini	tiated Date		
			ATTLE	BORO					04/22/2	2004	
At Lot To I	ot At Pole	To Pole	At Intersection	1		Customer	Account #	Ini	liated Time		
							.]	L	12:23		
Kit and Grid #			To Intersection	1		CCS Numb	oer	Sou	irce		
						0-0-	- 0	l	EMPLOYE	EE.	
Customer Nam	e		Entered By			Digging Co	nditions	Sou	irce Name		
									NGUYEN	WAYN	E
Work:	Work Code	Work Descrip	tion			Esti	imated Units		Scheduled Date		
	MRMIC	MAIN	REPL -	MUNICIPAL	ecres (Sec.)				6-15	-04	
		7.7		To the same		Lea	k Priority		Employee Assig	ned	
									Name of the second	353	
	į	- A-1	SEAL 3	(F# 34)					Set 5		
	Outgoing Comme					Cau	ise of Leak		BSG Crew Assi		
	REPLAC	E 320'	OF 2"	PP MAIN CI-MAIN						33	3
					Jal	Dig	Safe #				407.33
				(2)	133/	-			Contr. Crew As	signed	
					•	Job	Priority		KITTE LE		
Pipe Data						<u> </u>			Other Da	er alem	
Pipe Date	a. Taningy	DRATE		Expose	e Wolfers		Territoral ellas		Other Da	ila:	
Pipe Size	n. 3.00								Anode Inst.		
Pine Type	H			71 25 25 27 27					Flow Limiter Installed		
Coat Type	ASTIC								Flow Limiter Tagged	\circ	
Pressure PA	re								Curb Cock Installed	Ö	
IN	INN SAME								Meter Barrier Installed	\$	392
Length 32	<u> </u>								Meter Fit Installed		4,545 30
Depth	:								Inside		
Year				- 14 - 14 - 14 - 14					Outside		27 5
Pipe Cond.	14) - VP	LN: F: P: VE		Soap Test		
Coat Cond.		ee Me	19.40.40		}		XGLND ED		Pressure Test		
Pit Depth	÷								Pounds/		
of Fits	Jan Barrier			1907					Square inch Elpsd. PSI		
Fit Size	£								Time		
Rate Class								7	Patch Size	[. ··;	. '
L	<u> </u>								Length	1900 S	<u></u>
Restoration Needed		Re	storation Done	20	Bill to C	ustomer?		- 11	Width		

ke	tçh	1:																							Ва	y Stat	e Ga	s Ćo	mpan : 05-2
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est	ora	atic	n [Dat	ta:												Pe	rm	it C	at	a:								
and				uirec	1	Done	!	7/2/2	Dat	te Do	ne	4754					Diç	y Sa	ıfe:			Ticke	et #		Da	te Effe	ctive		



Dig Safe:	Ticket#	Date Effective	
Notification:	*		
			,
Permit Require	ed:		
	Date Sent	Date Rec'd	Permit #
Town			
State		WHI.	
Water Notificat	tion:	Date Called_	
	tion:		

Stamps:

PRO SCAN
JUL 0 2 2004

COMPLETED

Completion Data:

Comments:	
Completed Date	Date Started
Completed Date	Signature
Completed Units	Signature 1

B04D5071

AG-2-17 Attachment C

~	9)		_	Distribution	ı Worl	k Ord	lei
		 - 4					

Identifica	tion:	D101112	duoi iioi		COMPLETED
At House	To House	Street Name		Location Phone	Work Order #
0	0	PEMBROKE AV	E		5556106-1
Bldg.# Unit	# Apt. # Suite #	Town		Work Phone	Initiated Date
		ATTLEBORO			04/22/2404
At Lot To L	ot At Pole To Pole	At Intersection		Customer Account #	Initiated Time
					13:05
Kit and Grid#		To Intersection		CCS Number	Source
				0-0-0	EMPLOYEE
Customer Name		Entered By		Digging Conditions	Source Name
					NGUYEN WAYNE
Work:	Work Code Work Descr	iption		Estimated Units	Scheduled Date
	TRMIC MAIN	-REPL-TIEIN-M	UNIMP	1	
		计算数据控制数		Leak Priority	Employee Assigned
					G
					0/5/7:
	Outgoing Comments	A		Cause of Leak	BSG Crew Assigned
	TIE IN NEW	2" PP MAIN	6		143/
			(XXX)	Dig Safe #	Control of the Contro
			(D/C	I.b Director	Contr. Crew Assigned
				Job Priority	Neved "
Pipe Data	1:				Other Data:
	- re-indicate place		oggesticheliere		
Pipe Size					Anode Inst.
Pipe Type		<i>II</i>			Installed Flow Limiter
Coat Type	i i i i i i i i i i i i i i i i i i i		7/63		Tagged Curb Cock
Pressure				No est out of the second	Installed Meter Barrier
Length			1		Installed Meter Fit
Cut	si.	Write:		Laude	Installed 2
Depth		(6) Elli	S.E.		
Year	the majoritation of the second			X (1. 15.55 - 17.)	Outside
Pipe Cond.	Zije	32:372	UO)F-	P - VP TCN FEF - VI	Soap Test
Coat Cond.	i-G- w	īės,	e yne	- ED . G. MD ED	Pressure Test
Pit Depth	4 Assessment of the Assessment				Pounds/ Square inch
# of Fits			- Program program and the state of the state		Elpsd. PSI J. He
Fit Size					
Rate Class			1901	Section	Patch Size Length
Restoration Needed		Restoration Done	Bill to	Customer?	Width

Sketch:

Bay State Gas Company
D.T.E. 96.97.
AG-2-17 Attachment C.
Page 37 of 47

See L. L.

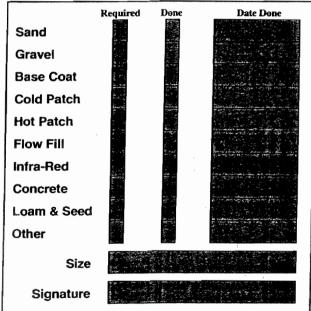
Line of Main

Restoration Data:

Permit Data:

Dig Safe: Ticket # Date Effective

Natification:



Dig Safe: Notification:	Ticket #	Date Effe	ctive
Permit Require	Date Sent	Date Rec'd	Permit #
Water Notificat		Date Called_	

Stamps:

J. 3N

JUL v 2 2004

COMPLETED

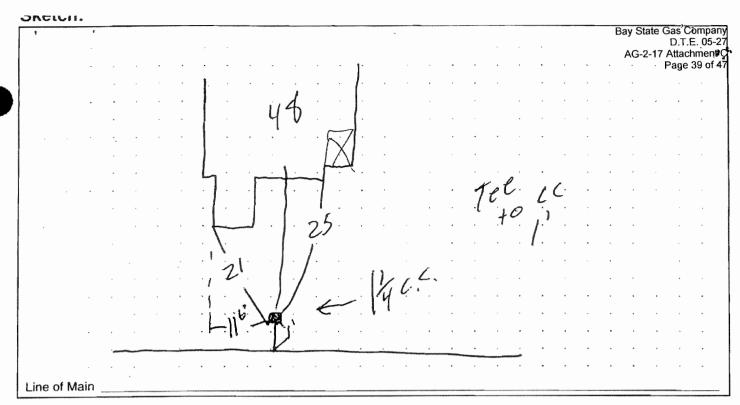
Completion Data:

Completed Date
Completed Units

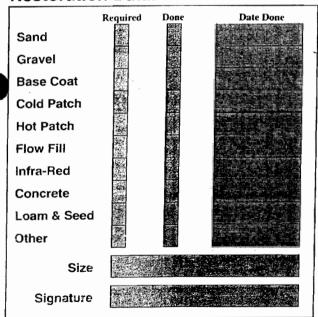
Signature

	,	CMS#	3711 Pr	oject I.D.	PRO9	State Gas Comps CATA (1) -2-17 Attackinen
	N	lanual Distribution	Work Orde	r	NOV 0	
Identificat	~	Street Name OAK Town Customer Name	top pu		OMPA Work Order 527 Date	ETED 2832 /1/03
		Phone				
Work:	Work Description		Leak Prior	rid d	Scheduled Employee	
	Dispatcher Comments	E. Lenk	M			w Assigned
Pipe Data	New Pipe	le de la companya de	Retired		Other Dat	<u>a:</u>
Pipe Size Pipe Type Coat Type Pressure		Exposed Pipe Exposed Pipe Exposed Pipe Exposed Pipe Exposed Pipe Exposed Pipe Exposed Pipe	1/2		Anode Inst. Flow Limiter Installed Flow Limiter Fagged Curb Cock Installed Meter Barrier Installed	
Length			26		Meter Fit nstalled	
Depth	3	3'	21		nside [
Year					Outside Goap Test	
Pipe Cond. Coat Cond.		LN - F P VP G - MD - ED	LN TE	e.VP	Pressure Test	V
Pu Depth # of Fits Fit Size					Pounds/ Square Inch Elpsd. PSI Time	150
Rate Class	Restoration D	one D Bill to	Customer? Yes	No	Patch Size Length Width	

Enter Other Completion Information And Restoration Information on Back



Restoration Data:



Permit Data:

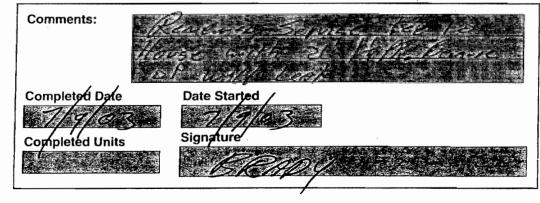
Dig Safe: Notification:	Ticket #		Date Effective
Permit Require		-	1 Permit #
Water Notificat		9	ed

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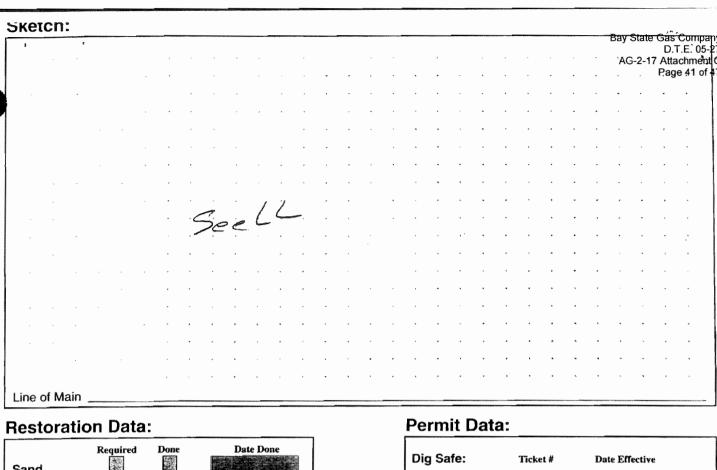
Bay Stat	e Gas Company
1111 2 0	A DUTE TOP OF
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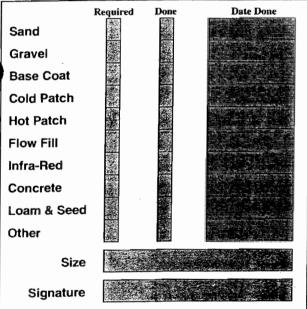
Project I.D. Page 40 of 47

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Distribution Work Order

Identifica	tion:			POMPLETED
At House	To House	Street Name	Location Phone	Work Order#
0	0	OAKLAND AVE		5556066-1
Bldg.# Unit	# Apt. # Suite #	Town	Work Phone	Initiated Date
		ATTLEBORO		04/22/2004
At Lot To L	ot At Pole To Pole	At Intersection	Customer Account #	Initiated Time
				11:53
Kit and Grid #		To Intersection	CCS Number	Source
171 3	54340		0-0-0	EMPLOYEE
Customer Name		Entered By	Digging Conditions	Source Name
				NGUYEN WAYNE
Work:	Work Code Work Descri	iption	Estimated Units	Scheduled Date
	TRMIC MAIN	-REPL-TIEIN-MUNIMP	1	
		C	Leak Priority	Employee Assigned
		5.50 (4.39)		OF57-32
	Outgoing Comments		Cause of Leak	BSG Crew Assigned
	TIE IN NEW 2	2" PP MAIN	λ <u>Ε΄ Έ</u> ξετη	
		C. Com	Dig Safe #	14.3/
		ŋ\		Contr. Crew Assigned
			Job Priority	
				MEU CG:
Pipe Data				Other Data:
2	New Pipe	Exposed	Pipe Retired Pipe	Anode Inst.
Pipe Size			6: 21 3 3 3	Flow Limiter Installed
Pipe Type	- 1 A B B	<u>'P</u>	N/A Property	Flow Limiter Tagged
Coat Type	6	5 44	Dare 11	Curb Cock
Pressure	1	Cita :	TATA SAG	Meter Barrier
Length	O			Installed Meter Fit
Cut	S	A L	S M L	Installed
Depth		9	36	Inside
Year			04	Outside Sone Tork
Pipe Cond.	(LN)F-	P-VP.	F-P-VP LN-F-P-VP	Soup Test D
Coat Cond.	G - ME	D- ED	- MD - ED G - MD - ED	Pressure Test
Pit Depth				Pounds/ Square Inch 150
# of Fits	10 100 10 10 10 10			Elpsd. PSI Time
Fit Size				
Rate Class				Patch Size Length
				Width
Restoration Needed	L_J R	estoration Done	Bill to Customer?	MIGHT

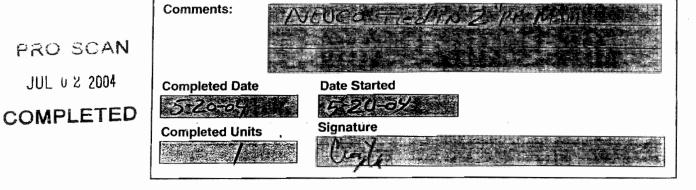




Dig Safe: Notification:	Ticket #	Date Effe	
Permit Require	d:		
	Date Sent	Date Rec'd	Permit #
Town			
State			
Water Notificati	ion:	Date Called	-
Sewer Notificat	ion:	Date Called_	

Stamps:

PRO SCAN JUL 0 2 2004

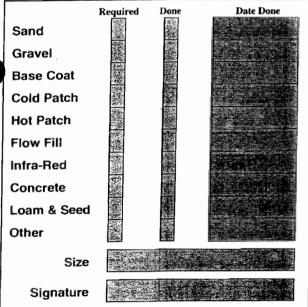


Project I.D. JUL 340220

Distribution Work Order

Identifica	ition:					COME	PLETED
At House	To House	Street	lame	Location	Phone	Work Order#	
0	0	OA	KLAND AVE			5556049	-1
Bldg.# Unit	# Apt.#	Suite# Town		Work Ph	one	Initiated Date	
		AT	TLEBORO			04/22/2	004
At Lot To L	ot At Pole	To Pole At Inte	section	Custome	r Account #	Initiated Time	
						11:46	
Kit and Grid#		To Inte	section	CCS Nun	iber	Source	
171 3	54340			0-0	- 0	EMPLOYE	E
Customer Name	e	Entered	Ву	Digging C	Conditions	Source Name	
						NGUYEN	WAYNE
Work:	Work Code	Work Description		E	stimated Units	Scheduled Date	
	MRMIC	MAIN REPI	- MUNICIPAL				
				la	ak Priority	Employee Assign	ned
			and the second of the second o				
						0159	est section
	Outgoing Commen	nts		Ca	nuse of Leak	BSG Crew Assig	ned
	REPLAC	E 150' OF	2" PP MAIN 6" CI MAIN				
	ABANDO	N 150' OF	6" CI MAIN	N Di	g Safe #	143,	1
			12/3	8		Contr. Crew Ass	igned
			C 31	Joi	b Priority		
						N.	-v <i>co</i> ::::
Pipe Data	a:				,	Other Da	ta:
	New	Pipe	Exposed	l Pipe 🚋 🛫	Retired Pipe		rank)
Pipe Size 2	II	2.1		6 3		Anode Inst. Flow Limiter	<u>-</u> €0
Pipe Type	ASTIC	PP		PP		Installed Flow Limiter	
Coat Type BAI		Barr		Bare		Tagged Curb Cock	
Pressure	CERMEDT	المعتلمال الأ		TUTY		Installed Meter Barrier) # 1
Length 150		124		Land Acres 4 May 1		Installed Meter Fit	
Cui		SML			SML	Installed 🔿	
Depth		34		36		Inside	
Year 200	14		*	04		Outside	
Pipe Cond.	-	(LN)- F - P - VP	(N-)F-P-VP	LN-F-P-VP	Soap Test	<u> </u>
Cost Cond.	33	G - MD - ED		G - MD - ED	G-MD-ED	Pressure Test	[X]
Pit Depth		N. year of the second				Pounds/ Square Inch	150
# of Fits	:	27 28 1				Elpsd. PSI	I-HR
Fit Size						Time	
Rate Class						Patch Size	
L						Length	
Restoration Needed		Restoration I	Oone	Bill to Customer?	Ŀ	Width	

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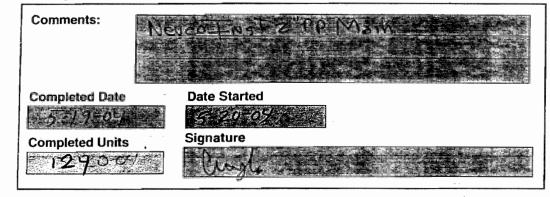
Dig Safe: Notification:	Ticket #	Date Effe	ctive
Permit Require		Date Rec'd	Permit #
Water Notificat	_	Date Called_	
Sewer Notifica	tion:	Date Called_	

Stamps:

PRO SCAN

JUL 0 2 2004

COMPLETED





Distribution Work Order

B04D5071

PRO SEASON

Identifica	tion:				COMPLE
At House	To House	Street Name		Location Phone	WORK OF MPLETED
0	0	OAKLAI	ND_AVE		5556049-1
Bldg. # Unit	# Apt. #	Suite# Town		Work Phone	Initiated Date
		ATTLE	BORO		04/22/2004
At Lot To L	ot At Pole	To Pole At Intersection		Customer Account #	Initiated Time
					11:46
Kit and Grid#		To Intersection		CCS Number	Source
	54340			0-0-0	EMPLOYEE
		Entered By		Digging Conditions	Source Name
Customer Name		Entered by		Digging Conditions	NGUYEN WAYNE
Work:	Work Code	Work Description		Estimated Units	Scheduled Date
17011.	MRMIC	MAIN REPL -	MIINTCTDAT	Statuted Office	6-15-04
	MRMIC	MAIN ABELL	MUNICIPAD	Look Princits	
				Leak Priority	Employee Assigned
	L		The state of the s		
	Outgoing Commer			Cause of Leak	BSG Crew Assigned
	ABANDO	E 150' OF 2" N 150' OF 6"	CI MAIN		233
				Dig Safe #	
1.					Contr. Crew Assigned
				Job Priority	
Pipe Data	<u> </u>				Other Data:
Fipe Date		Pipe	Expose	d Pipe 🔧 Retired Pip	
Pipe Size	IACAA	ripe	LAPOSE	a ripe nettrear ip	Anode Inst.
Pipe Type	<u> </u>				Flow Limiter Installed
PL	ASTIC			STATE TO STATE OF THE STATE OF	Flow Limiter Tagged
Coat Type BAI	RE				Curb Cock Installed
	TERMEDT			COW	Meter Barrier Installed
Length 150	0	The state of the s			Meter Fit Installed
Cut		SML		S.M.L	Inside
Depth				"ماد	Outside
Year 200	04		(원) 전원 원)	1912	Soap Test
Pipe Cond.		LN-F-P-VP		LN - F - P - VP LN - F - P - V	
Coat Cond.		G - MD - ED	\;; \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	G - MD - ED G - MD - ED	Pressure Test
Pit Depth	, ;	*			Pounds/ Square Inch
# of Fits		•			Elpsd. PSI Time
Fit Size					
Rate Class					Patch Size
					Length
Restoration Needed		Restoration Done	4	Bill to Customer?	Width

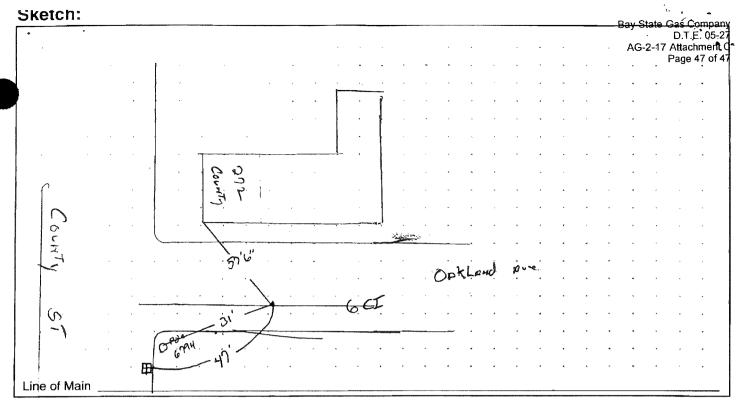
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Gravel																							
Base Coat																							
Cold Patch													D-		d.								
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Flow Fill nfra-Red Concrete	7																						
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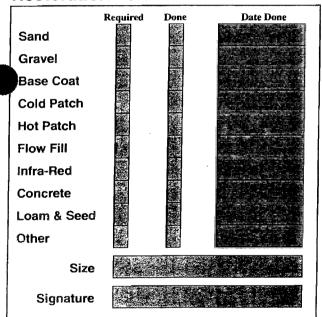


Distribution Work Order

	dentifica									C	OMPL	FTE	_
f	At House	To House		Street Name			Loc	ation Ph	oone	-			,
	0	0		OAKL	AND AVE					L	524334:	T - T	
	Bldg.# Unit	# Apt. #	Suite #	Town			Wor	k Phone	e		iated Date		
				ATTL	EBORO						06/05/	2003	
1	At Lot To L	ot At Pole	To Pole	At Intersect	on		Cus	tomer A	Account #		iated Time		
										L	09:16		
	Kit and Grid #			To Intersecti	on			Numbe		Sou			
1	<u>17</u> 1 3	54340						0 - 0 -	.0	L	EMPLOYI	EE	
13	Customer Name			Entered By			Digg	ing Con	nditions		rce Name		
L				L						L	WILBUR		D H
-	Nork:	Work Code	Work Descrip					Estir	mated Units	ĺ	Scheduled Date		1
		RTSR	RETIR	RE SER	VICE - R	EPOF	TABLE	_1		Į	06/05	/2003	
					ar Tank area Sa star 🛥			Leak	C Priority		Employee Assig		
			And the state of t	War L	A Personal Street	TOTAL ST		1			State of the state	R, ALF	RED
							800 (80 (80 (80 (80 (80 (80 (80 (80 (80	<u> 3000 a</u>		l			\$455ft
		Outgoing Commo			amir			Caus	se of Leak	[BSG Crew Assi	gned	
		ABANDO	ON - CU	T OFF	STUB.			Die	Cofe #		(FI	45	- C307
								Dig	Safe #		Contr. Crew As		ASSAULT OF
							D	lob F	Priority	ĺ	Cond. Crew As	signed	
		EDS)				-	\mathcal{M}		Thomas and the second s			in ithis	
	Pipe Data	<u>1:</u>				1					Other Da	ata:	
		Nev	v Pipe		Ex	pose	d Pipe 🚲	5 64	Retired Pipe		Anode Inst.		
Pi	pe Size						6"		Q!		Flow Limiter Installed		
	ре Туре						CI		<u> </u>		Flow Limiter Tagged	\mathbf{Q}	
	nat Type		1.0	-			bosc.		Orec		Curb Cock Installed		
	essure		1	1960		7	low		40W		Meter Barrier Installed		百
	ngth		6 14						96	100	Meter Fit Installed	ř	
Cu			SM				2, "		S M (L)		Inside	Щ	
Yes							36"		36" 1931	$- \ $	Outside	0	
	e Cond.	:	LN-F-I	P. VP		-	1912 N-E-P-	VP	LN(F) P-VP	$\left\{ \left\ \right\ \right\ $	Soap Test		امر
	at Cond.		G - MD				G - MD - E		G - MD - ED	$\ \ $	Pressure Test	•	
	Depth		G = MD				J IND L		4 - IND - ED		Pounds/ Square Inch		
	(15is					1					Elpsd. PSI		
	Size			:,							Time		
	e Class								ngt sag off constant		Patch Size	6	$\neg \parallel$
											Length	6	
Res	storation Needed	\supset	Res	storation Done			Bill to Custo	mer?	(4.	The state of the s	Width	4	



Restoration Data:

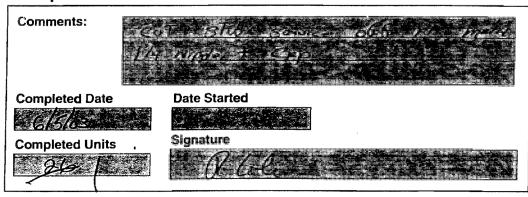


Permit Data:

Dig Safe: Notification:	Ticket #	Date Effe	ctive
Permit Require	ed:		
	Date Sent	Date Rec'd	Permit #
Town			
State		-	
-			
Water Notifica	tion:	Date Called_	
Sewer Notifica	tion:	Date Called_	

Stamps:

PRO SCAN
JUN 1 7 COUS
COMPLETED



Attachment D

Thatcher Street, Attleboro

Project ID B04D068

. •						all the second s		24.0
BSG(NU (Construction Author	rization Order >						State Gas Company D.T.E. 05-27
Project ID	# B04D5068	Work Code	MRM	IC	ROR / MIS:	N/A	Hurdle Rate:	-2-17 Attachment D Page 2 of 22
SCRIPTION OF PROJECT: MAIN REPLACEMENT				 O MUNICIPAL IMF	PROVEMENT		Neu	1/0
This is a m	unicinal improvement	t project. The road is sch	eduled to b	e repayed in 2004	We are replacing	the old 6* BS	,	
services to	our 99-psig system.	Due to its age and poor of	condition, it	is recommend to t	e replaced.	g the old o bo	with the plastic mail	n and tying over the
		,						
# Service	es 6	Total Se	ervice Cost	\$N	/A		Cust. Contribution	n N/A
i i	OST RECORD	Budget	Actual	Variance		Today's Date	3/11/2004	
Materials Company L	abor	\$15,564 \$5,455			\dashv	Comp Date	5/12/04	
Purchases		\$35,093			7	Estimato		
Overheads		\$7,563				Sales Rep		
Total		\$63,675				CIS #	t:	
Total cos	t estimated:	\$63,675		Total	services w/o ove	rhead:	N/A	1
		, , , , , ,			mains w/o over		\$56,113	
	Dina Addad			Diag				
	Pipe Added Street Name ar	nd Town	Size	Pipe Type	Estimate	otage Actual	W.O. # Install	W.O. # Tie-in
Thatcher S		Attleboro	. 6				5532053	553205k
						20	\$\$	5575805
						19		5575799
				-		13		5532056
	Pipe Retir	ad		Pipe	Foo	tage	T W 0 #	7
	Street Name an	1	Size	Type	Estimate	Actual	W.O. # Install	W.O.# Tie-in
cher St		Attleboro	ϵ				553,2653	110-111

		1927						
- Company of the Company								
New	⋖\$ 5K	\$5k<\$10k		\$10k<\$100k		>\$100k		Date
Business	Engineering Tech	Operations Engineer	Ser	nior Engineer	Mgr. Eng:			
Name:					New Bus. Mgr:			
,								
Date					Dir, Finance:			:
	New Business Rep.	New Business Team Leader	New Busin	less Team Leader	VP Tech. Ops:			
Name:			-					
Date:								
						1		
Replacement	∵ ≤ 10k	\$10k<100k		\$100k<\$2	50k	All J	obs >=\$250k	Date ≥ 2 100
& Other	Operations Engineer	Sehior Engineer		Senior Engir	neer	Mgr. Eng:		
	Iller a m na	1/10						
Name:	WHILE H WANTED	2/1/2/2				Oir. Finance:	75- V 3- S	
Date:	3/19/04	1126/04				VP Tech Ops:		
	,			Mgr. Enginee	r :	VP Finance:		

Name:

Date:

SUPPLEMENT Field Locationy State Gaso Chregany D.T.E. 05-27 Attachment D ROR / MIS: N/A Project ID# B04D5068 Work Code MRMIC Hurdle Rate: Path 643 of 22 MAIN REPLACEMENT - DUE TO MUNICIPAL IMPROVEMENT DESCRIPTION OF PROJECT: is supplemental blue sheet is to detail the projects overrun. Further explanation is attached. N/A Total Service Cost \$ # Services 6 Cust. Contribution COST RECORD Budget Actual Variance Today's Date: 1/3/2005 (\$5,998) Start Date: Materials Comp Date: \$9,440 Company Labor Estimator: NJS Purchases \$46,447 Sales Rep: Overheads \$34,775 CIS #: \$84,664 Total \$84,664 Total cost estimated: Total services w/o overhead: N/A Total mains w/o overhead: \$49,889 Footage Pipe Added Pipe W.O. # W.O. # Estimate Size Actual Street Name and Town Install Tie-in PP Attleboro 6" 35 2005 Thatcher Street Pipe Retired Pipe Footage W.O. # W.O. # Street Name and Town Size Туре Estimate Actual Install Tie-in Attleboro BS 35 3005 Thatcher Street \$5k<\$10k >\$100k <\$5K \$10k<\$100k Operations Engineer Mgr. Eng: Engineering Tech Senior Engineer Business riew Bus, Mgr. Dir. Finance: Date New Business Team Leader New Business Team Leader VP Tech, Ops: New Business Rep. Name Date: \$10k<100k \$100k<\$250k All Jobs >=\$250k Replacement Date Operations Engineer Senior Engineer Senior Engineer Mgr. Eng: & Other Nore Dir. Finance: VP Tech Ops: VP Finance:

	-	Overhead Total	\$7,562.88	
		Total	\$35,092.78	
contingency additional	0.0076			
permit	\$50.00 0.00%	per project	\$50.00 \$0.00	
22.0 od. jad. of green.				
75.0 cu. yds. of sand 22.5 cu. yds. of gravel		per cu. yd.	\$310.05	
0 Ln. ft of infared	•	per cu. yd.	\$1,009.50	
0 sq. yds. of loam & seed		per cu. yd. per foot	\$0.00 \$0.00	
281.25 sq. yds. of temporary patch		per cu. yd.	\$10,001.25 \$0.00	
93.75 sq. yds. of permanent patch		per cu. yd.	\$3,333.75	
<u>RESTORATION</u>				
0 ledge removal	\$235.70	per cu. yd.	\$0.00	
22.5 boulder removal		per cu. yd.	\$1,178.55	
0 In. ft of sawcut		per foot	\$0.00	
0 hrs of hole hog	\$272.36	per unit	\$0.00	
114 hrs. for traffic control	\$38.00	per hr.	\$4,332.00	
28 hrs. for backhoe		per hr.	\$1,737.68	
0 service tie-over	\$500.00	•	\$0.00	
0 ft of open trench, bkfll	•	per foot	\$0.00	
0 ft of open trench, no bkfil 0 ft of open trench, bkfil to tape		per foot	\$0.00	
0 feet of unpaved		per foot	\$0.00	
1125 feet of paved		per triit per foot	\$0.00	
LABOR	£44 £0	per unit	\$13,140.00	
CONTRACTOR CHARGES				
			7.7,2 .2,00	
Overhead	71.30%	Total	\$3,889.66 \$9,345.00	
		Sub Total	\$5,455.34	
0.5 Administrative work	\$25.00	per hour	\$12.50	
42 Welder		per hour	\$1,202.88	
28 Lg. Tie-in Crew hrs.		per hour	\$2,263.80	
69 Inspector hrs. 0 Sm. Tie-in Crew hrs.	•	per hour	\$0.00	
Hours 20 to a start =	\$28.64	per hour	\$1, 976.16	
COMPANY LABOR				
Overhead	25.00 %	Total	\$19,237.71	
	23.60%	Sub Total	\$15,564.49 \$3,673.22	
Miscellaneous Fittings add	10.00%		\$1,414.95	
6 Service Stock	\$150.00	each ·	\$900.00	
14 6-in Weld End Cap @	\$7.28		\$101.92	
14 6-in 90-deg Weld Elbow	\$18.83	each	\$263.62	
7 6-in Sizer valve @ 7 6-in Trans. Fit @	\$80.50		\$563.50	
7 6-in P.C @ 7 6-in Steel Valve @	\$620.75		\$4,345.25	
1125 feet of Plastic Pipe @	\$605.75	•	\$4,240.25	
Quantity Description		per foot	\$3,735.00	
	Price	,	Cost	
MATERIAL	Estimated:		by.	DER
To: South Ave	Size: Project ID #:	_	PP	
From: Horthorne St.	Length:		reel " PP	
Thatcher Street		Attleboro		
Bay State Gas		A.W. 1	7.02.17	Page
			AG-2-17	milat

Grand Total

\$63,675.49

EXPLANATION OF PROJECT OVERRUN B04D5068 Thatcher St. Attleboro

The town of Attleboro mandated that all the fill that was removed had to be hauled away and clean fill be brought in. The trench then had to be backfilled even with the pavement and left to be packed down by traffic and water. Once the trench was packed, it once again had to be dug out and paved.

The process that was mandated for this project caused the expected time for completion of the project to increase significantly. This increase in time that was needed in order to complete the project in turn increased the cost of police detail, \$12,824.32, as well as the contractor cost, \$33,623.20.

Between the excess disposal fees, the purchase of fill materials, the project ran significantly over budget.

B04D5071	Estimated	Actual	Variance
Thatcher St. Attleboro			
Payroll	\$5,455.00	\$14,895.46	\$9,44 0.46
Contractor	\$30,710.78	\$64,333.98	\$33,623.20
Police Detail	\$4,332.00	\$17, <u>156.32</u>	\$12,824.32
Materials	\$15,564.00	\$9,565.60	(\$5,998.40)
2"Pipe Footage	0.00	700.00	700.00
6"Pipe Footage	1125	1160	35.00
Unit Cost	\$49.88	\$91.41	\$41.53
Total	\$56,112.00	\$106,001.31	\$49,889.31

Bay State Gas Company D.T.E. 05-27 AG-2-17 Attachment D

OF ATTLEBORO, MASSACHUSETTS

WATER DEPARTMENTS of 22 MUST BE NOTIFIED IN ADVANCE OF STREET

	STREET SIDEWA		OPENING. TEL:(508)222- 7220, OR (508)222-0019. APPLY FOR RENEWAL
	Permit Number BSG #2004-		PRIOR TO EXPIRATION OF THIS PERMIT.
Fee: S	treet Opening = \$325.00 () Date: <u>04-16-04</u>	DIG SAFE # EXPIRES AFTER 30 DAYS, NEW
Inspection = \$50.0	00 (X) Expiration Date (60	0 days): <u>06-16-04</u>	DIG SAFE # REQUIRED
Misc:	= \$150.00 () Dig Safe	e No. 20041403929	PRIOR TO EXPIRATION OF DIG SAFE #.
Name of Contractor Bay ST	ate Gas Co. Address 9	95 Belmont Street	Tele 508-580-0100
Owners Name	Address	Te	ele
Nature of Business Extend	Gas Maill		
Street and/or Sidewalk Locati	on Thacher Street from Hawth	orne @ Anderson Avenue t	o # 551 Thacher Street
Continuing performance b	ond for multiple permits \$5000.00	and up	
2. Indemnification and Liabili	ty Insurance: () A. \$100	0,000 - Bodily Injury	
	() B. \$	\$50,000 - Property Damage	
3. Condition of Permit - Refe	er to Superintendent of Public Wor	rks - Ordinance 16-6.8	
4. Certification of Restoratio	n - Approved by Superintendent o	f Public Works	
6. Penalties - Superintenden	perintendent of Public Works on (it of Public Works on Ordinance 1		offense, \$400.00 Second Offense
7. Condition:			
A. Sawcut (X) B.	Backfill with Fresh Materi	als (X) C. Compac	t 95% (X)
D. Top with 3" of Concr	ete (X) E. Overlay with H	ot Mix (X)F. Infrared	/Grind (为G. Flowable Fill (
8. Policing: (X) Red	quired () Not Requ	ired	
the understanding that all perca and night and that the street and of Public Works 16-6.9. The cor Return one copy of permit to th	ns of Section 16-6-8 of the Ordina utions will be taken to protect the d/or sidewalk will be restored to its ntractor shall notify the Public World Office of Superintendent of Public BACKFILLING AT (508)222-00	public in the use of this stress acceptable condition presorks Department 16-6.8 C folic Works upon completion	eet and/or sidewalk both day cribed by the Superintendent orty-eight hours (48) to start work.
JBLIC WORKS (508)223-2222,	EXT#3160		City Collector
entractor Signature, Title, hiabil	ity & Telephone		Approved Denied
production, that, diability	7		

Signature Superintendent of Public Works

Issuance of Permit

Date Initials

Distribution Work Order

AG-2-17 Attachne Project I.D.

				10111201101	1 110111 01			<u></u>
Identifica	To House		Street Name		Locatio	n Phone	COI	MPLETE
0	C		THACHE	R			5575803	1-1
Bldg. # Unit	# Apt. #	Suite#	Town		Work P	hone	Initiated Date	
Jiugi ii			ATTLEBO	ORO			05/14/2	2004
At Lot To L	ot At Pole	To Pale	At Intersection		Custon	ner Account #	Initiated Time	
			RATHBU	N WILLARD	DR		08:33	!
Kit and Grid#			To Intersection		CCS Nu	ımber	Source	
					0-	0 - 0	CONTRAC	CTOR
Customer Name	2		Entered By		Digging	Conditions	Source Name	
	A CONTRACTOR OF THE CONTRACTOR						D. RICI	E-BSG ENG.
Work:	Work Code	Work Descr	iption			Estimated Units	Scheduled Date	1
	TRMIC	MATN	-REPL-TI	EIN-MUNIME	2	1	05/14/	/2004
						Leak Priority	Employee Assig	gned
								JR, CHARL
		3					30	3
	Outgoing Comm					Cause of Leak	BSG Crew Assi	gned
	TIE I	N REPL	ACEMENT N	IAIN.	1/2 /		1955	
				V		Dig Safe #	C C A-	
				10	y ~	lob Priority	Contr. Crew As	signed
				. *			# # # *	
Pipe Data	a:						Other Da	ata:
	Ne	w Pipe		Expose	d Pipe	Retired Pipe	Anode Inst.	3
Pipe Size					9"		Flow Limiter Installed	
Pipe Type				100	PLANTIC BALL		Flow Limiter Tagged	
Coat Type							Curb Cock Installed	
Pressure				12	14164		Meter Barrier Installed	3 4 ~~~~
Length							Meter Fit Installed	
Cut		S	M L	1.28		S M L	Inside	
Depth			10 17 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		36"		Outside	
Year		- 1950 Var. or 18	And Area of the Control of the Contr		2004		Soap Test	7
Pipe Cond.		2500 MMAG 1 100	- P - VP		(N) F-P-V		Pressure Test	<i>W</i>
Coat Cond.		G - N	D - ED	200 PM	€ MD - ED	G - MD - ED	Pounds/	
Pit Depth		Parties	W 150				Square Inch	
# of Fits		The second					Elpsd. PSI Time	. :
Fit Size								
Rate Class			-				Patch Size Length	
Restoration Neede	d 🙎		Restoration Done		Bill to Custome	er?	Width	

Sketch:

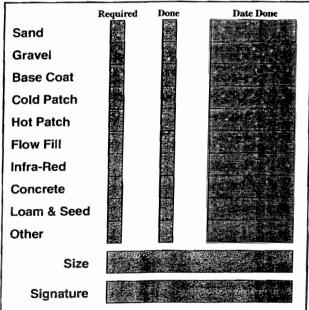
Bay State Gas Company
U.T.E. US-37
AG-2-17 Attachment D
Page 8 of 22

Stit Loose Librat

Line of Main

Restoration Data:

Permit Data:



Dig Safe:	Ticket #	Date Effe	ctive
Permit Require	d:		
	Date Sent	Date Rec'd	Permit #
Town	***************************************		
State	Marie Control of the	·	And the second s
Water Notificat	ion:	Date Called_	
Sewer Notificat	ion: 🖺	Date Called_	

Stamps:

PRO SCAN

JUL 0 2 2004

COMPLETED

Comments:	
Completed Date	Date Started
Completed Units	Signature



Project I.D.

PROState Gas Company SOAN7 AG-2-17 Attachment D

BO4105068 DUT 1 2 Parties

	Man	ual Distribut	ion Work	Order		- 1 & LUU4
Identificati	on:				COV	IPLETED
	House #	Street	Terry T.		Work Orde	er#
		TH	ATHER	ST	35	32056
	Other Identifying Information	Town			Date	
			ATTLEBO	RO	6-	1-04
		100	ne r Name		Filled Out	Ru
	@ Annerson Ave E		N. Indonesia.	2.1		60
	C //NISEESOM / IVE C		N 83			
L		Phone				
Work:	Work Description			Leak Priority	Schedule	d Date
					6	1-04
				Cause of Leak		e Assigned
					- 1119 160 MEN	260
<u> </u>		20 E		\ d		
	Disputcher Comments			1225	1300 350E	w Assigned
				W//	- 14	87-1178
					Contr. C	rew Assigned
					N	Euco
Pipe Data	•				Other Da	ta
1 ipe bata	New Pipe	Egposed Pipe		etired Pipe	Other Da	
Pipe Size					Anode Inst.	W
					Flow Limiter Installed	N
Pipe Type					Flow Limiter Tagged	O W
Coat Type				TO POTENTIAL TO THE PROPERTY OF THE PROPERTY O	Surh Cock U A Installed	LVE V
Pressure					Meter Barrier Installed	
Length	E-10-10-10-15				Meter Fit Installed	
Cut	SMIL			,	lnside	I
Depth						西田
Year					Outside	
Pipe Cond.		LN.F.P.VP		NET SELLAVE COLUM	Soap Test	<u> </u>
					Pressure Test	
		e wa ea				<u> </u>
Coat Cond.		G-MD-ED			Pounds/ Square Inch	150
Coat Cond. Pit Depth		G - MD - ED			Square Inch Elpsd. PS1	150
Coat Cond.		G-MD-ED			Square Inch	150 1hr
Coat Cond. Pit Depth		G-MD-ED			Square Inch Elpsd. PSI Time	
Coat Cond. Pit Depth # of Fits		G-MD-ED			Square Inch Elpsd. PS1	Ihr
Coat Cond. Pit Depth # of Fits Fit Size	Restoration Done		Bill to Customer?	Yes No	Square Inch Elpsd. PS1 Time Patch Size	

		 5	
_	ket	n	#
• 7	$\Lambda \subset$	11	_

Bay State Gas Company
D.T.E. 05-27
AG-2-17 Attachment D
Page 10 of 22

See Leose Leaf
Page 5.76

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_		\mathbf{v}	1410	.,,,,

Restoration Data:

	Required	Done	Date Done
Sand			
Gravel			
Base Coat		*	
Cold Patch			
Hot Patch			
Flow Fill			
Infra-Red			
Concrete			
Loam & Seed			
Other		4	
Size			
Signature			

Permit Data:

Dig Safe: Notification:	Ticket #	Date Effective		
Permit Require	d:			
Town State	Date Sent	Date Rec'd		
Water Notificati	on:	Date Called		
Sewer Notificat	ion:	Date Called		

Stamps:

PRO SCAN
JUL 0 2 2004

COMPLETED

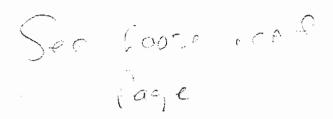
<u> </u>	
Comments:	
Completed Date	Date Started
6-1-04	6-1-04
Completed Units	Signature
12	The state of the s

OCT AG-2 1200 and Con

Distribution Work Order

Project LD.

Identifica	tion:				COM	LETE	D	7:
At House	To House	Street Name	<u> </u>	ocation Phone	Work Order#			1
0	0	THACHER ST			553205	5-1		- -
Bldg. # Unit	# Apt.# Suite#	Town		ork Phone	Initiated Date			1-
		ATTLEBORO			03/24/2	2004		
At Lot To La	ot At Pole To Pole	At Intersection	C	ustomer Account #	Initiated Time	50 Table 1		E
		I HAW THO RAL	\in \Box		11:37			
Kit and Grid #		To Intersection	CC	CS Number	Source			
				0-0-0	EMPLOYI	3E		
Customer Name		Entered By	Di	gging Conditions	Source Name			
					NGUYEN	WAYNE		
Work:	Work Code Work Desc	ription		Estimated Units	Scheduled Date		***	1
	TRMIC MAIN	N-REPL-TIEIN-M	UNIMP	1				
				Leak Priority	Employee Assig	ned		1-
								1
		Alteria	the desired to the second		02	60		‡=
	Outgoing Comments	;		Cause of Leak	BSG Crew Assi	gned		
	TIE IN NEW	6" PP MAIN			5501450			-
	AT / HAWXHOX	NEN-MA AND/A	*	Dig Safe #	1130	8	_	-
	AMONS A	EX END Y	104		Contr. Crew As			-
ļ	,	<i>s</i> '	Capit	Job Priority	NC	\cup \cup \cup \cup		E
Pipe Data					Other Da	ita:		
pr . c:					Anode Inst.			l
Pipe Size					Flow Limiter Installed	\mathcal{L}	7	
Pipe Type		<u> </u>			Flow Limiter Tagged	Ž į	V	
Coat Type					Cwrb Cock JA Installed			
Pressure					Meter Barrier Installed	- in a	V	-
Length		NI L			Meter Fit Installed	m Ø		-
					Inside		. 11	
Depth Year					Outside			-
Pipe Cond.		- P- VP	neso	sve tnejsle ve	Soap Test		7	
Coat Cond.		a. Dyara	G-MD:		Pressure Test		y -	-
					Pounds/			-
Pit Depth					Square Inch Elpsd. PS1			-
# of Fits					Elpsd. PS1 Time			-
Fit Size					Patch Size			
Rate Class					Length			
Restoration Needed		Restoration Done	Bill to Cu	stomer?	Width			



Line of Main

Restoration Data:

	Required	Done	Date Done
Sand			
Gravel			
Base Coat			
Cold Patch		2	
Hot Patch			
Flow Fill		36	
Infra-Red			
Concrete			
Loam & Seed			
Other			
Size	1,22 5		
Signature			

Permit Data:

Dig Safe:	Ticket #	Date Effe	ctive
Notification:	-		
Permit Require	ed:		
	Date Sent	Date Rec'd	Permit #
Town			
State			
Water Notifica	tion:	Date Called_	
Sewer Notifica	ition:	Date Called_	

Stamps:

PRO SCAN JUL 0 2 2004 COMPLETED

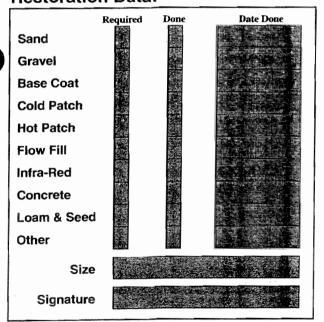
Comments:	
Completed Date	Date Started
E. 60 04 1	6.704
Completed Units	Signature
	COMP -



		Distribu	ition Work Ord	der	Toject i.b. UC I	2 4004
Identificat	ion:				COMPI	ETC
At House	To House	Street Name	Location	Phone	Work Order # OMPL	
0	0	THACHER ST			5575805-1	
Bldg. # Unit #	# Apt. # Suite #	Town	Work Ph	опе	Initiated Date	
		ATTLEBORO			05/14/2004	
At Lot To Lo	t At Pole To Pole	At Intersection	Custome	er Account #	Initiated Time	
		VERNDALE AVE			08:36	
Kit and Grid #		To Intersection	CCS Nun	nber	Source	
			0-0) – 0	CONTRACTOR	
Customer Name		Entered By	Digging (Conditions	Source Name	
		·			D. RICE-BSG	ENG.
Work:	Work Code Work Desc	ription	E	stimated Units	Scheduled Date	
	TRMIC MAIN	N-REPL-TIEIN-MU	NIMP	1	05/14/2004	
,				eak Priority	Employee Assigned	,
						CHARL
		a contract			and the second	
	Outgoing Comments		G	ause of Leak	BSG Crew Assigned	
		ACEMENT MAIN.			1128	
	TIE IN KEFE	ACEMENT MAIN.	NA DE	ig Safe #	200	
					Contr. Crew Assigned	
				b Priority	NEUCO	,
		.•'		o 2 Horry		
Pipe Data	•				Other Data:	2956
[8:33]	New Pipe	Ex	oosed Pipe	Retired Pipe		
Pipe Size		9*			Anode Inst. Flow Limiter	Y
Pipe Type	1	SP .			Installed	W
Coat Type	BA	PE S			Flow Limiter Tagged	1
Pressure	- 707	<u> </u>			Installed	Y
Length		1 72			Meter Barrier Installed	1
Cut	(S)	M L		SML	Meter Fit Installed	\mathcal{U}
Depth	- Table 1	- 100 - 1 - 100 -			Inside	4
	3				Outside	y
Year Disconsistant	(M) E	- P - VP	LN-F-P-VP	LN F-P-VP	Soap Test	У
Pipe Cond.		753 CT 1075 CT			Pressure Test	Y
Coat Cond.	G-N	ID - ED &	G - MD - ED	G - MD - ED	Pounds/	
Pit Depth	Mark and	and the second second			Square Inch	
# of Fits					Elpsd. PSL Time	
Fit Size						
Rate Class					Patch Size Length	
Restoration Needed	B	Restoration Done	Bill to Customer?	?	Width	

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Restoration Data:



Permit Data:

Dig Safe:	Ticket #	Date Effe	ctive
Notification:			
Permit Require	d:		
	Date Sent	Date Rec'd	Permit #
Town			
State			
	W. 44		
Water Notificat	ion:	Date Called_	
Sewer Notificat	tion:	Date Called_	
		_	

Stamps:

PRO SCAN
JUL 0 2 2004
COMPLETED

Comments:	
Completed Date Completed Units	Date Started Signature



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			Distrib	ution Wor	k Order	Pro		- raye Gu
Identifica	tion:						COME	LETED
At House	To House	S	treet Name		Location Phone		Vork Order #	
0	0		THACHER ST				5575799 - 1	·
Bldg. # Unit	# Apt. #	Suite# T	ожа		Work Phone	I	nitiated Date	
			ATTLEBORO_				05/14/200	4
At Lot To L	ot At Pole	To Pole A	t Intersection		Customer Account #		nitiated Time	
			HAWTHORNE ST				08:22	
Kit and Grid #		To	o Intersection		CCS Number	s	ource	
					0-0-0		CONTRACTO	R
Customer Name		E	ntered By		Digging Conditions	S	ource Name	
							D. RICE-E	SG ENG.
Work:	Work Code	Work Description	1		Estimated Units		Scheduled Date	
	TRMIC	MAIN-R	EPL-TIEIN-MU	NIMP	1		05/14/20	04
				200 Table 2	Leak Priority		Employee Assigned	
			Committee of the Commit	and the second			CRUFF JR	, CHARL
	l		- 10 A L					
	Outgoing Comme	nts			Cause of Leak		BSG Crew Assigned	
	TIE IN	REPLAC	EMENT MAIN.	14			11/6	
				15 (sv	Dig Safe #			
				13/6/			NEU Co	
			.*	\mathcal{O}	Job Priority	1	NEUCO	
Dina Date							Other Data:	
Pipe Data		/ Pipe	e de la companya de l	posed Pipe	Retired	DISA	Other Data:	
Pipe Size	INE N	7 Fipe 2/1/	<u> FX</u>	poseu ripe	nettied	FIPE	Anode Inst.	1
Pipe Type	No.	DD					Flow Limiter Installed	5 /
Coat Type		210					Flow Limiter Tagged	×
Pressure		BARE					Curb Cock UAL VAL	y
Length	The second secon	19'		Proceedings of the			Meter Barrier Installed Meter Fit Installed	
Cut		1-2-16-2-16-17-18-2-2-16-16-16-16-16-16-16-16-16-16-16-16-16-	L		SM	L	Meter Fit Installed	<u> </u>
Depth		7 02 3327 (300506)	• (71.7	Inside	국 Ex
Year			BCD and Page 1				Outside	
Pipe Cond.		LN-)F-P	- VP	LN-F-	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	- VP	Soap Test	<u> </u>
Coat Cond.		G - MD -	ED	G - MD	-ED G-MD-	ED	Pressure Test	Y
Pit Depth			147-15		The state of the s	. , .	Pounds/ Square Inch	
# of Fits		The second of the second	Shelly grift of				Elpst. PSI Time	
Fit Size								
Rate Class							Patch Size Length	

Bill to Customer?

Restoration Needed

Restoration Done

Width

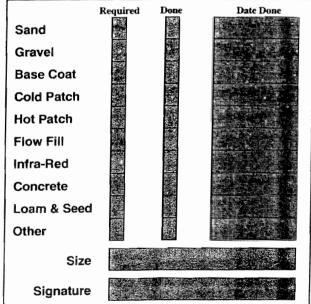
Sketch:

Bay State Gas Company
O.T.E. 06-27
AG-2-17 Attachment!
Page 16 of 22

Line of Main

Restoration Data:

Required Done Date Done
Dig Safe: Ticket # Date Effective



Dig Sa Notific	afe: cation:		ket #	Date Eff	ective
Permi	t Require		Sent	Date Rec'd	Permit#
Town State					AMARA.
Water	Notifica	tion:		Date Called	Market
Sewer	Notifica	tion:		Date Called	

Stamps:

Completion Data:

PRO SCAN
JUL u z 2004

COMPLETED

Comments:	
100 Marie 100 Ma	
. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Completed Date	Date Started
	- 470 m
Completed Units	Signature
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The state of the s	



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Project	I.D.			۴

1		Distri	bution Wor	k Orde	er '	Toject L.D.	2 200
Identificat	tion:					COMP	LETED
At House	To House	Street Name		Location Pho	one	Work Order#	
0	0	THACHER ST				5575809-	.1
Bldg. # Unit	# Apt.# Suite#	Town		Work Phone		Initiated Date	
		ATTLEBORO				05/14/20	004
At Lot To Lo	ot At Pole To Pole	At Intersection		Customer A	ccount #	Initiated Time	
		GREENHILL .	AVE			08:39	
Kit and Grid#		To Intersection		CCS Number	-	Source	
				0-0-	0	CONTRACT	OR
Customer Name	7	Entered By		Digging Cond	litions	Source Name	
						D. RICE-	BSG ENG.
Work:	Work Code Work Descr	iption		Estin	nated Units	Scheduled Date	
	TRMIC MAIN	I-REPL-TIEIN-	MUNTMP			05/14/2	2004
				Leak	Priority	Employee Assigne	ed
						CRUFF C	IR, CHARL
	Outgoing Comments			Cause	e of Leak	BSG Crew Assign	
	TIE IN REPL	ACEMENT MAIN			-141 -241 -241	112	ا
			Pop.	Dig S	afe#		
			18/21			Contr. Crew Assig	
		· •	• •	Job P	riority	NEC	l co
Dia Data						Other Dat	
Pipe Data	a: New Pipe	· · · · · · · · · · · · · · · · · · ·	.		Retired Pipe		a:
Pipe Size	New Pipe	., ¢	Exposed Pipe		neureu ripe	Anode Inst.	Y
Pipe Type		20	<u> </u>			Flow Limiter	
Coat Type	BA	r RE				Flow Limiter Tagged	
Pressure	D.					Gurb Cock VAC	
Length	12	2 1/2				Meter Barrier Installed	S-W
Cut	1 200	M L		1 1 2	S M.L	Meter Fit Installed	
Depth	30					·Inside	
Year						Outside	
Pipe Cond.	LN	- P - VP	LN-F-	P-VP	LN-F-P-VP	Soap Test	Y
Coat Cond.		ID - ED	G + MI		G - MD - ED	Pressure Test	<u> </u>
Pit Depth	\$2.2.760-92E0				4 : 7:3. 1 : 4:48 <u>18</u> 27 28 4.	Pounds/ Square Inch	

Enter Other Completion Information And Restoration Information on Back

¥.

Restoration Done

Bill to Customer?

of Fits Fit Size

Rate Class

Restoration Needed

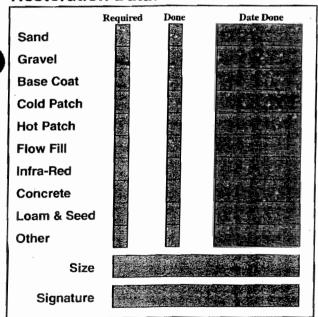
Elpsd. PS

Patch Size Length

Width

Restoration Data:

Line of Main



Permit Data:

Dig Safe:	Ticket #	Date Effe	Date Effective		
Notification:	•				
Permit Required	d:				
	Date Sent	Date Rec'd	Permit #		
Town			and the same of th		
State		The state of the s	All the second s		
Water Notificati	on:	Date Called_			
Sewer Notificati	ion:	Date Called_	A state of the sta		

Stamps:

Completion Data:

PRO SCAN

JUL 0 2 2004

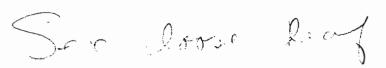
COMPLETED

Comments:	
Completed Date Completed Units	Date Started Signature

Project I.D.

Identification:			COMPLETED
At House To House	Street Name	Location Phone	Work Order #
0 0	THACHER ST		5532053-1
Bldg. # Unit # Apt. # Suite #	Town	Work Phone	Initiated Date
	ATTLEBORO		03/24/2004
At Lot To Lot At Pole To Pole	At Intersection	Customer Account #	Initiated Time
			11:33
Kit and Grid #	To Intersection	CCS Number	Source
		0-0-0	EMPLOYEE
Customer Name	Entered By	Digging Conditions	Source Name
			NGUYEN WAYNE
Work Code Work Descri	otion	Estimated Units	Scheduled Date
MRMIC MAIN	REPL - MUNICIPAL		19 910 day makes at 2 11 day
		Leak Priority	Employee Assigned
			0260
Outgoing Comments		Cause of Leak	BSG Crew Assigned
REPLACE 112	5' OF 6" PP MAIN 5' OF 6" BS 1927 MAIN		
ABANDON 112	OF 6" BS 1927 MAIN	Dig Safe #	1178
	1/33/61		Contr. Crew Assigned
	<i>U\</i>	Job Priority	Neuco
Pipe Data:			Other Data:
New Pipe	Exposed Pipe	e Retired Pipe	Anode Inst.
Pipe Size			Flow Limiter Installed
Pipe Type PLASTIC			Flow Limiter Tagged
	RE		Carb Cock ACV CS Installed
Pressure INTERMEDT			Meter Barrier Installed
Length 1125	137		Meter Fit Installed
Cut S 1	/ L	S M L	
Depth 3	6"		Inside Outside
Year			Outside
Pipe Cond.	P-VP LN-F	- P - VP LN - F - P - VP	
Coat Cond.) - ED G - M	ID-ED G-MD-ED	Pressure Test
Pit Depth			Pounds/ Square Inch
# of Fits			Elpsd. PSI Time
Fit Size 0			
Rate Class			Patch Size Length
Restoration Needed	Restoration Done Bill	to Customer?	Width

Distribution Work Order



Line of Main

Restoration Data:

	Required	Done	Date Done
Sand		***	
Gravel			
Base Coat			
Cold Patch			
Hot Patch			
Flow Fill			
Infra-Red			
Concrete	**		
Loam & Seed			
Other		4	
Size			
Signature			

Permit Data:

Dig Safe: Notification:	Ticket #	Date Effe	Date Effective		
Permit Require	d:				
Town	Date Sent	Date Rec'd	Permit #		
10411	·	**************************************			
State		-			
Water Notificat	ion:	Date Called_			
Sewer Notificat					

Stamps:

PRO SCAN JUL 0 2 2004

COMPLETED

Comments:	Towners = 1032 96" PC
Completed Date 5.27-04 Completed Units	Date Started 5/2-04 Signature

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PROBY SCAMPPANY
D. 1 - 05-27
UCI AG-3-13 Attachment P

B04D5068

Project I.D.

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Identificatio	n:					COMP	LETI	ED-	-
At House	To House Street Name Loca		Location I	Phone	Work Order#			And in column	
0	0	THACHE	THACHER ST			5532053	3 - 1		
Bldg. # Unit #	Apt. # Suite #	Town		Work Pho	ne	Initiated Date			-
		ATTLEB	ORO			03/24/2	2004		1
At Lot To Lot	At Pole To Pole	At Intersection		Customer	Account #	Initiated Time			-
						11:33			
Kit and Grid#		To Intersection		CCS Numl	ber	Source			
	No.			0-0	- 0	EMPLOYE	Œ		
Customer Name		Entered By		Digging Co	onditions	Source Name			I
						NGUYEN	WAYNE		1
Work: wo	ork Code Work De	scription		Est	timated Units	Scheduled Date		:-	1
	MRMIC MAI	N REPL - 1	MUNICIPAL			6-17-	05/		
				Lea	ak Priority	Employee Assig	ned		_
						35	3		
		· · · · · · · · · · · · · · · · · · · ·				100			1
Out	going Comments		.:	Cai	use of Leak	BSG Crew Assi	gned		1
	REPLACE 11	25' OF 6"	PP MAIN BS 1927 MAIN			3	<i>33</i>		
	ABANDON 11	25' OF 6"	BS 1927 MAIN	Dig	Safe#	(3)	hite.		-
			1 hr	L		Contr. Crew As	signed .		-
			Culrolon	Job	Priority				‡
								25.27	1
Pipe Data:		Manager 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Other Da	ıta:		
**************************************	New Pipe		Exposed Pipe	e i	Retired Pipe			837	I
Pipe Size			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		S 6"	Anode Inst. Flow Limiter		H	I
Pipe Type	TTC				57114	Installed Flow Limiter			
Coat Type BARE	110			W.	Bree	Tagged Curb Cock Installed	Ω	W	
Pressure	DATED III			A .	14124	Installed Meter Barrier	9	X	
Length	RMEDT				1125	Installed Meter Fit	E P	<u>*</u>	
Cut 1125	S	M L			S.M. L	Installed		V	
Depth					2.	Inside		#	1
Year	28 782 may 25	2.4700k			- 1927	Outside		17	
Pipe Cond.	LN-	F-P-VP	LN-F	- P - VP	LN P-VP	Soap Test		4	A PROPERTY OF
Coat Cond.	G-	MD - ED	G-M	ID - ED	G - MD - ED	Pressure Test	,	# -	.
Pit Depth	53/0 ₁ 4/0002 2 fo	SE MACOUNT MAN STREET				Pounds/ Square Inch	and the same		
# of Fits				and the same of th		Elpsd. PSI	33 - 48 3 1		‡
Fit Size 0						Time	19.77 1921		F
Rate Class						Patch Size			
		· 40				Length			-
Restoration Needed	y	Restoration Done	Bill	to Customer?		Width	1745.7		

Sketch:	Bay State Gas Company
	D.T.E. 05-27 AG-2-17 Attachment*D Page 22 of 22
,	
Line of Main	
Restoration Data:	Permit Data:
Required Done Date Done	Dig Safe: Ticket # Date Effective
Sand Gravel	Notification:

Sand Gravel Base Coat Cold Patch Hot Patch Flow Fill Infra-Red Concrete Loam & Seed Other Size Signature		Required	Done	Date Done
Base Coat Cold Patch Hot Patch Flow Fill Infra-Red Concrete Loam & Seed Other	Sand			
Cold Patch Hot Patch Flow Fill Infra-Red Concrete Loam & Seed Other Size	Gravel			
Hot Patch Flow Fill Infra-Red Concrete Loam & Seed Other Size	Base Coat			
Flow Fill Infra-Red Concrete Loam & Seed Other Size	Cold Patch			
Infra-Red Concrete Loam & Seed Other Size	Hot Patch	2		
Concrete Loam & Seed Other Size	Flow Fill			
Loam & Seed Other Size	Infra-Red			
Other Size Size	Concrete			
Size Size	Loam & Seed			
	Other	200		
Signature	Size	J _Z	(+ TXE	•
	Signature	E	0.176	All He agreed.

Dig Safe: Notification:	Ticket #		
Permit Required	Date Sent	Date Rec'd	Permit #
Water Notification	_		

Stamps:

PRO SCAN

JUL 0 2 2004

COMPLETED

Comments:	News rolling to the letter
ik.	
k	US MAIN T - BLOTE 1 TO 1999
ħ.	
Completed Date	Date Started
6-17-0 F	
Completed Units	Signature
1.6	hi Kely